

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000087.D
 Acq On : 15 Feb 2018 09:31
 Operator : JU/SJ
 Sample : PB105903BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB105903BL

Quant Time: Feb 16 05:58:17 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	552966	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	2603990	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	1505394	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	3424984	20.00	ng	0.00
75) Chrysene-d12	21.90	240	3488624	20.00	ng	-0.02
86) Perylene-d12	24.39	264	3708738	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.94	112	5399507	159.14	ng	0.00
7) Phenol-d6	7.59	99	7213405	140.35	ng	0.00
23) Nitrobenzene-d5	9.64	82	3839035	87.65	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1901022	127.58	ng	0.00
44) 2-Fluorobiphenyl	13.70	172	9034674	84.59	ng	-0.01
78) Terphenyl-d14	20.36	244	11949490	92.49	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	149	0.011	ng	# 27
3) Pyridine	4.13	79	160	0.004	ng	# 1
4) n-Nitrosodimethylamine	4.00	42	748	0.062	ng	# 1
6) Aniline	7.59	93	404	0.006	ng	# 1
8) 2-Chlorophenol	8.02	128	1733	0.044	ng	# 10
9) Benzaldehyde	7.59	77	10902	0.341	ng	# 5
10) Phenol	7.59	94	1836	0.034	ng	# 1
11) bis(2-Chloroethyl)ether	7.98	93	8127	0.182	ng	# 1
12) 1,3-Dichlorobenzene	8.79	146	128	0.003	ng	# 1
13) 1,4-Dichlorobenzene	8.79	146	128	0.003	ng	# 1
14) 1,2-Dichlorobenzene	8.79	146	128	0.003	ng	# 1
15) Benzyl Alcohol	8.79	79	63905	1.730	ng	# 38
17) 2-Methylphenol	8.80	107	570	0.015	ng	# 1
20) 3+4-Methylphenols	8.80	107	570	0.011	ng	# 1
22) Acetophenone	9.29	105	112	0.002	ng	# 1
24) Nitrobenzene	9.64	77	12119	0.253	ng	# 43
25) Isophorone	10.23	82	408	0.005	ng	# 69
28) bis(2-Chloroethoxy)methane	10.51	93	110	0.002	ng	# 51
31) Naphthalene	11.35	128	136	0.001	ng	# 68
45) 1,1'-Biphenyl	13.91	154	21572	0.163	ng	# 87
51) Acenaphthene	15.07	154	5813	0.056	ng	# 5
54) Dibenzofuran	15.46	168	116	0.001	ng	# 46
57) Fluorene	16.54	166	113466	0.940	ng	# 91
59) Diethylphthalate	15.86	149	114	0.001	ng	# 58
61) 4-Nitroaniline	16.54	138	132	0.004	ng	# 1
62) Azobenzene	16.54	77	14602	0.115	ng	# 30
65) n-Nitrosodiphenylamine	16.54	169	76966	0.691	ng	# 42
70) Phenanthrene	17.83	178	561	0.003	ng	# 60
71) Anthracene	17.83	178	561	0.003	ng	# 59
72) Carbazole	18.18	167	111	0.001	ng	# 59
76) Benzidine	20.35	184	205789	1.850	ng	# 91
77) Pyrene	20.36	202	48553	0.219	ng	# 71
80) Benzo(a)anthracene	21.90	228	9811	0.046	ng	# 75
81) 3,3'-Dichlorobenzidine	21.80	252	362	0.005	ng	# 26

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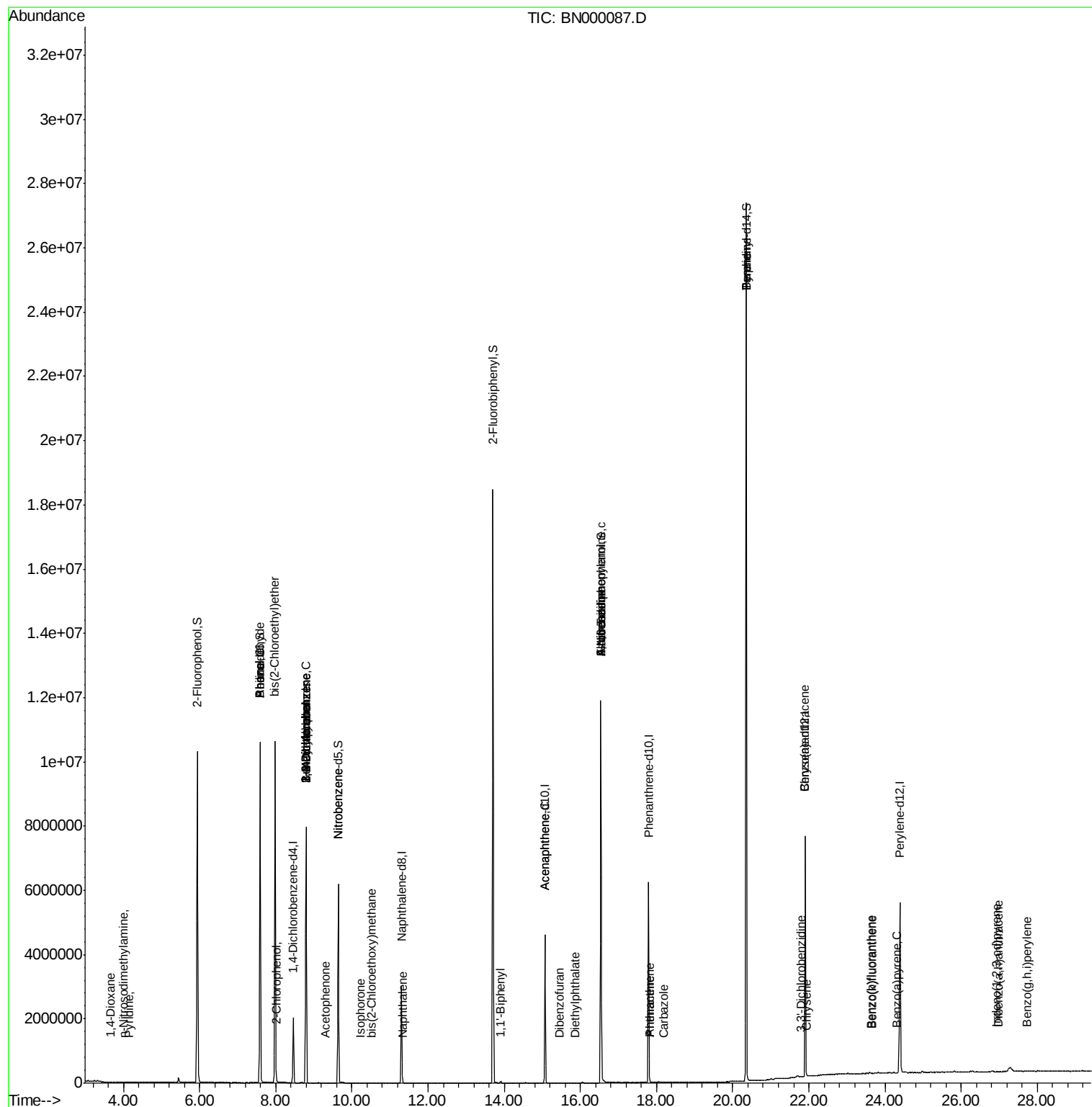
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	21.95	228	1094	0.005	nq #	49
85) Indeno(1,2,3-cd)pyrene	26.93	276	827	0.003	nq #	59
87) Benzo(b)fluoranthene	23.63	252	2155	0.010	nq #	1
88) Benzo(k)fluoranthene	23.67	252	1304	0.006	nq #	1
89) Benzo(a)pyrene	24.31	252	502	0.002	nq #	59
90) Dibenzo(a,h)anthracene	26.97	278	626	0.003	nq #	58
91) Benzo(q,h,i)perylene	27.72	276	1009	0.005	nq #	56

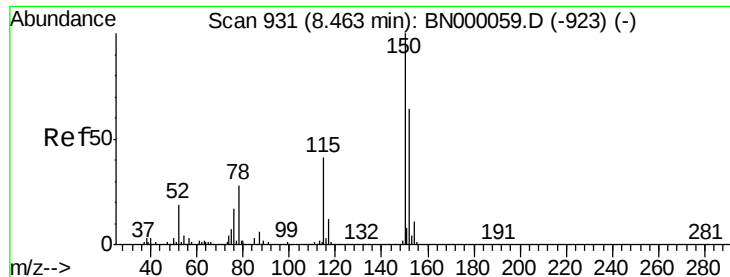
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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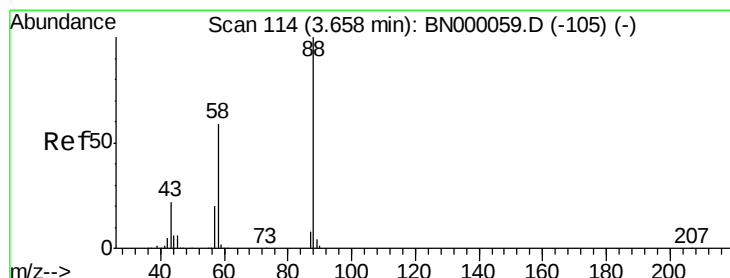
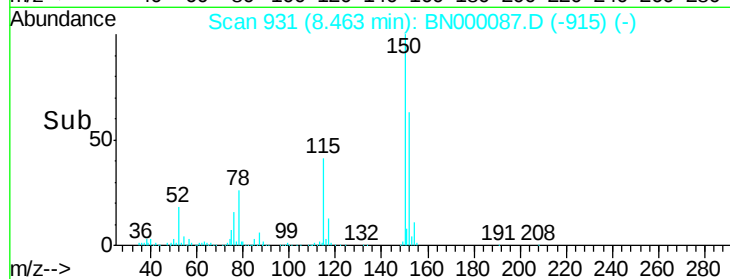
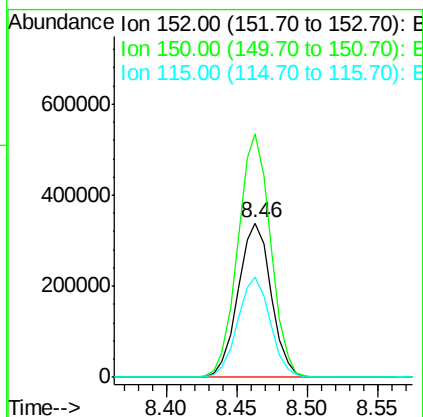
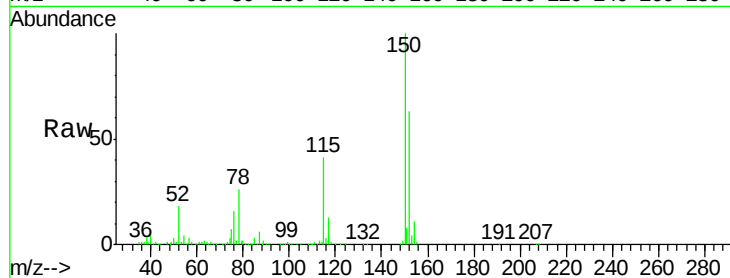


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Instrument :
BNA_N
ClientSampleId :
PB105903BL

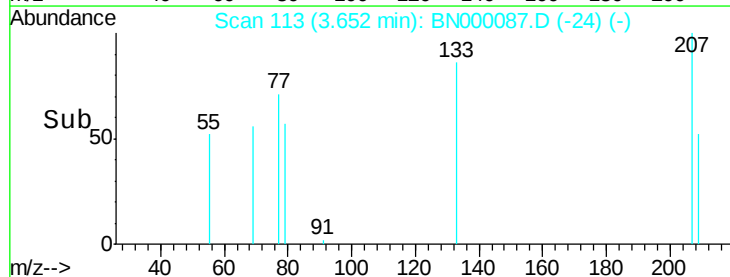
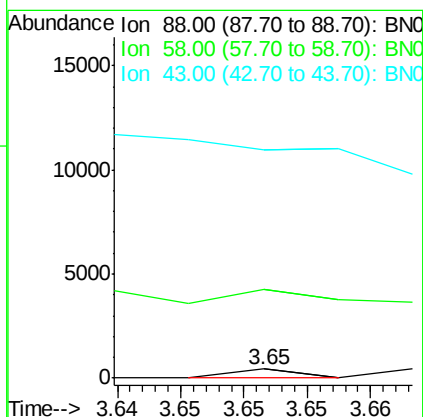
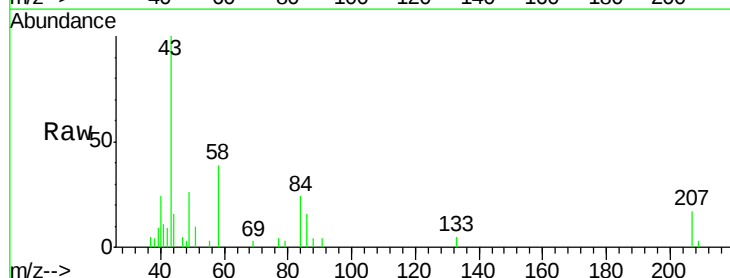
Tot Ion	152	Resp	552966
Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.6	189.8
115	64.6	53.0	79.4

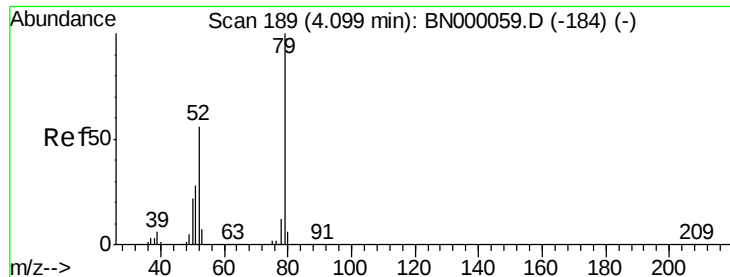


#2

1,4-Dioxane
Concen: 0.011 ng
RT: 3.65 min Scan# 113
Delta R.T. -0.01 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Tgt Ion	88	Resp	149
Ion	Ratio	Lower	Upper
88	100		
58	0.0	52.0	78.0#
43	0.0	20.0	30.0#





#3

Pvridine

Concen: 0.004 ng

RT: 4.13 min Scan# 194

Delta R.T. 0.02 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

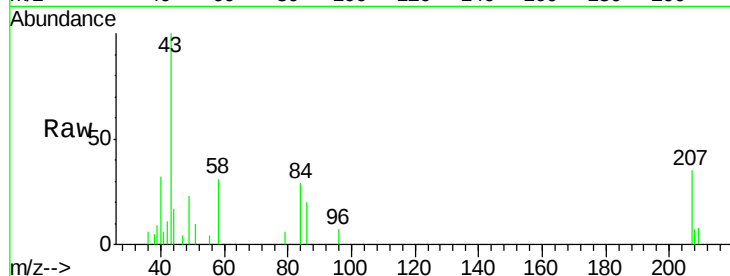
Tot Ion: 79 Resp: 160

Ion Ratio Lower Upper

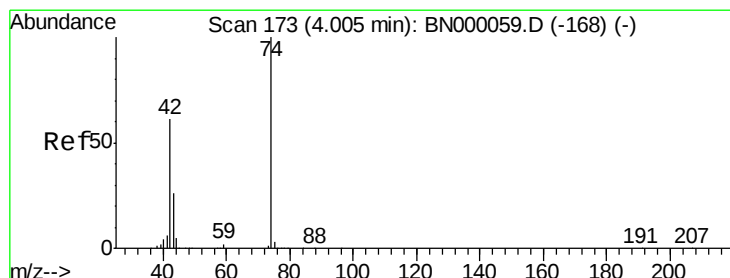
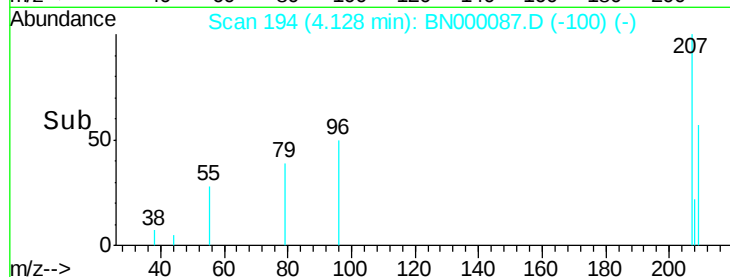
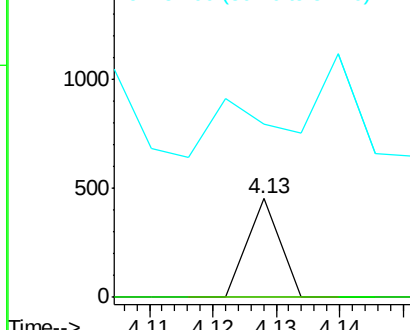
79 100

52 0.0 44.0 66.0#

51 175.5 24.0 36.0#



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



#4

n-Nitrosodimethylamine

Concen: 0.062 ng

RT: 4.00 min Scan# 173

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

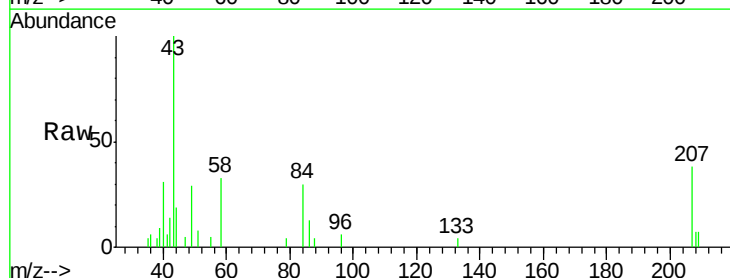
Tgt Ion: 42 Resp: 748

Ion Ratio Lower Upper

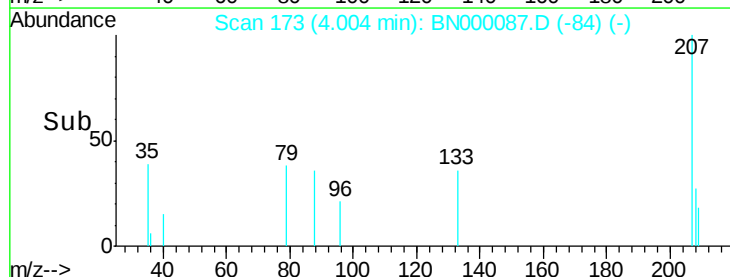
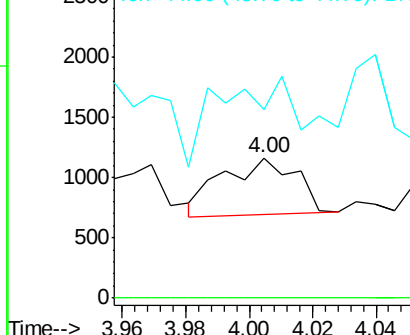
42 100

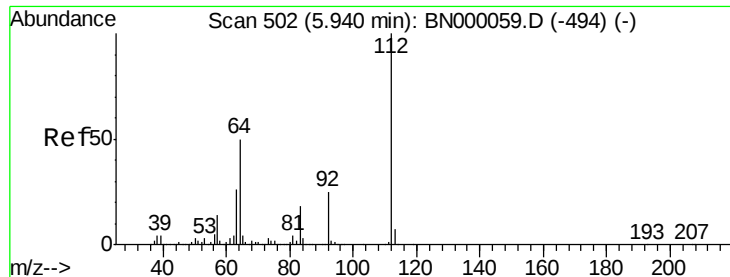
74 0.0 128.0 192.0#

44 135.1 12.0 18.0#



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





#5

2-Fluorophenol

Concen: 159.141 ng

RT: 5.94 min Scan# 502

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

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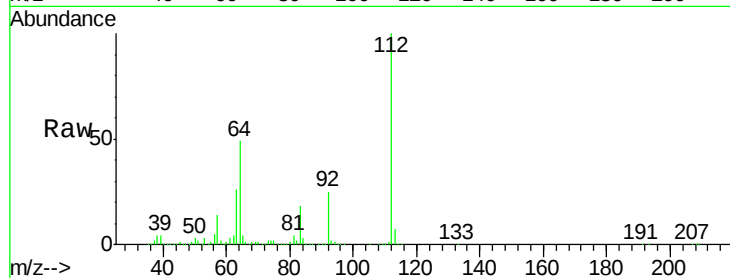
Tot Ion:112 Resp: 5399507

Ion Ratio Lower Upper

112 100

64 49.3 56.3 84.5#

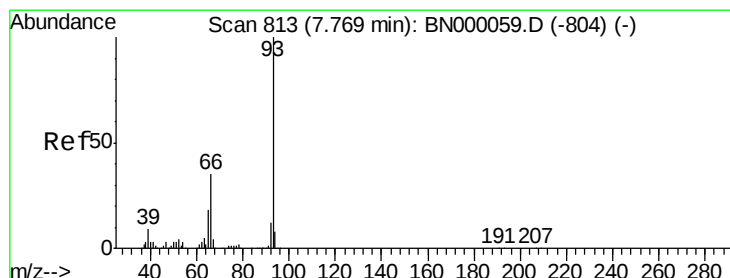
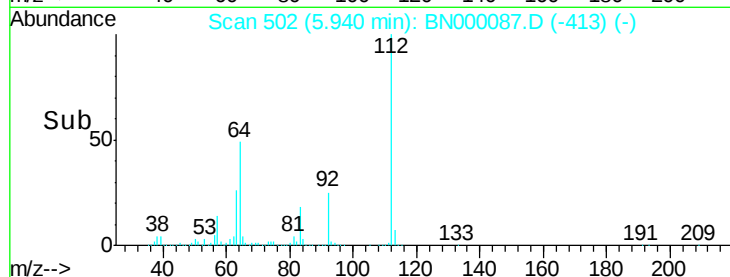
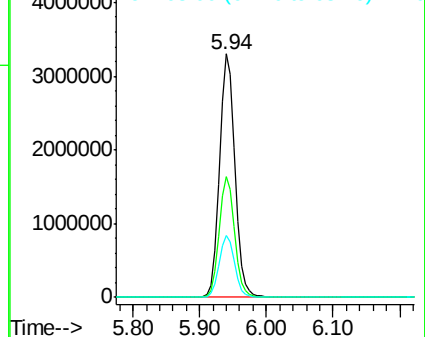
63 25.6 30.1 45.1#



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: 0.006 ng

RT: 7.59 min Scan# 782

Delta R.T. -0.19 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

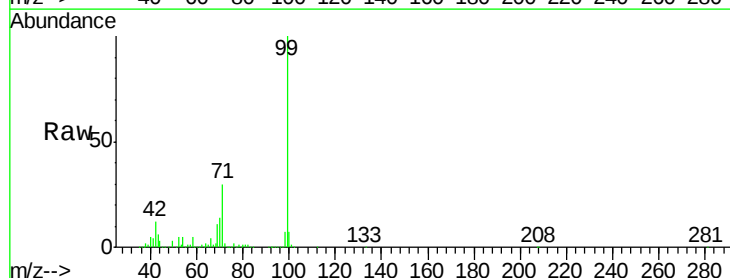
Tgt Ion: 93 Resp: 404

Ion Ratio Lower Upper

93 100

66 40332.9 33.7 50.5#

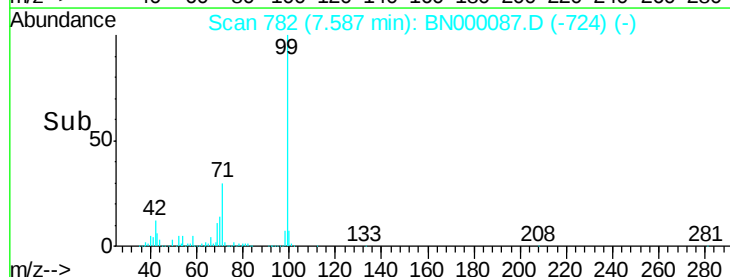
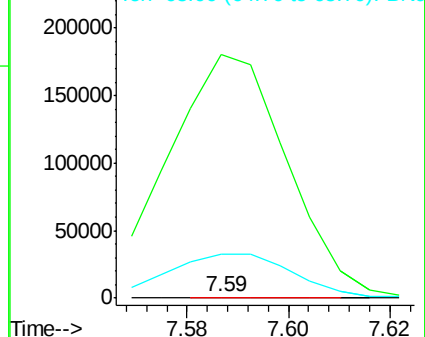
65 7191.1 16.1 24.1#

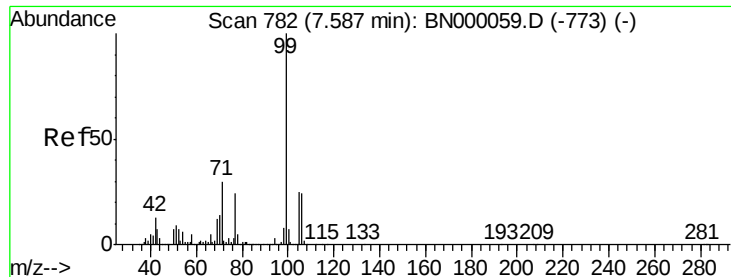


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 140.354 ng

RT: 7.59 min Scan# 782

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

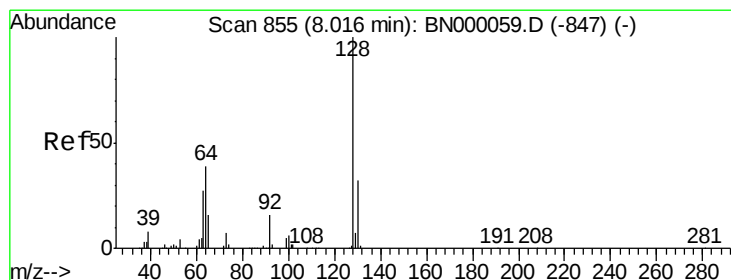
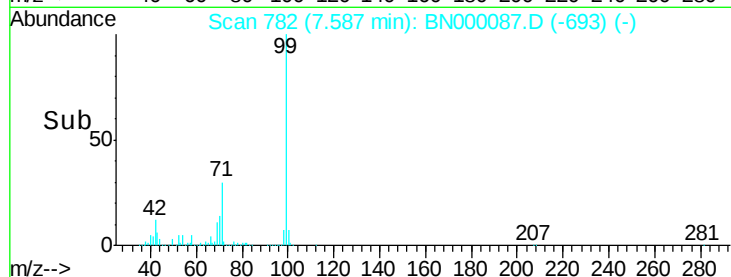
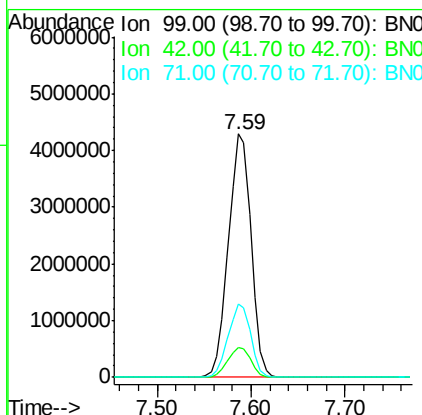
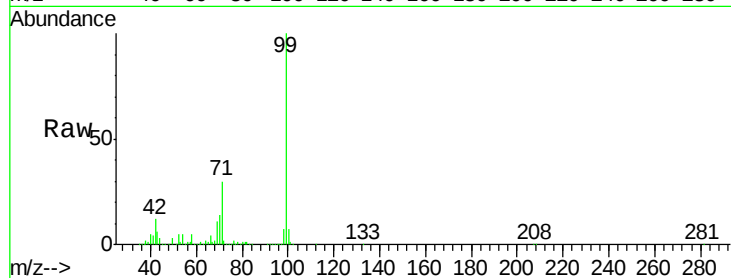
BNA_N

ClientSampleId :

PB105903BL

Tot Ion: 99 Resp: 7213405

Ion	Ratio	Lower	Upper
99	100		
42	12.5	14.1	21.1#
71	30.0	26.1	39.1



#8

2-Chlorophenol

Concen: 0.044 ng

RT: 8.02 min Scan# 855

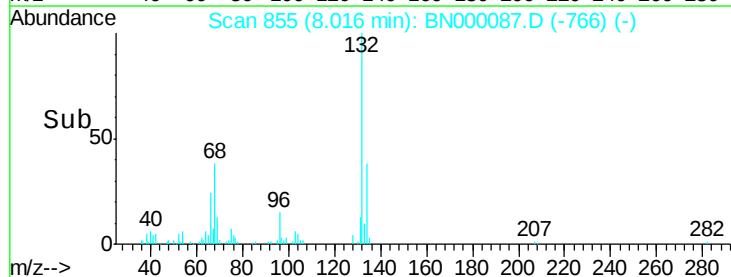
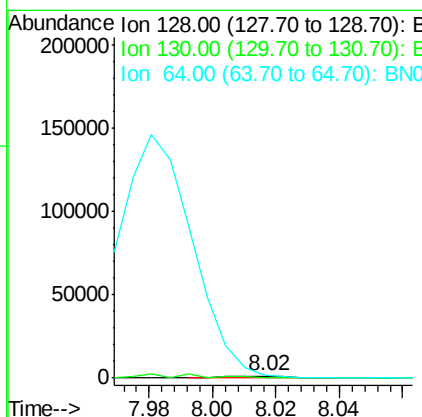
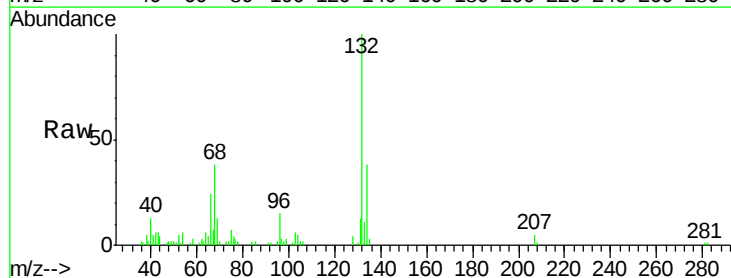
Delta R.T. -0.01 min

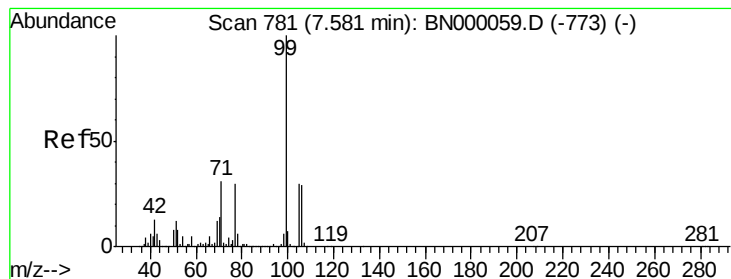
Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Tgt Ion: 128 Resp: 1733

Ion	Ratio	Lower	Upper
128	100		
130	35.7	14.0	54.0
64	162.3	37.7	77.7#





#9

Benzaldehyde

Concen: 0.341 ng

RT: 7.59 min Scan# 783

Delta R.T. 0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

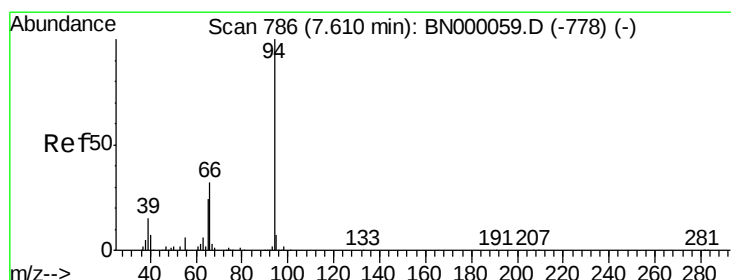
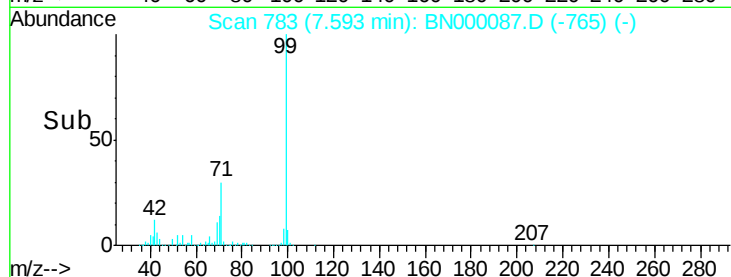
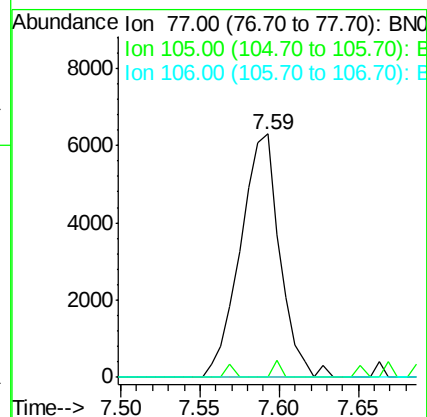
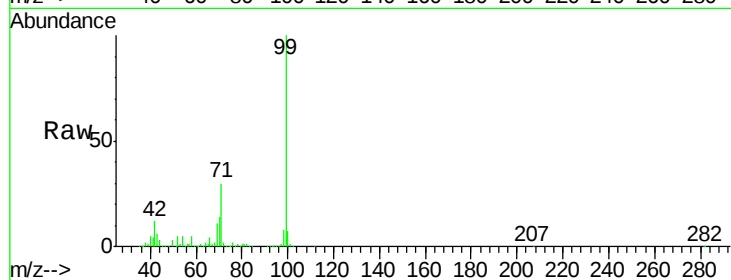
Tot Ion: 77 Resp: 10902

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

106 0.0 64.2 104.2#



#10

Phenol

Concen: 0.034 ng

RT: 7.59 min Scan# 783

Delta R.T. -0.03 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

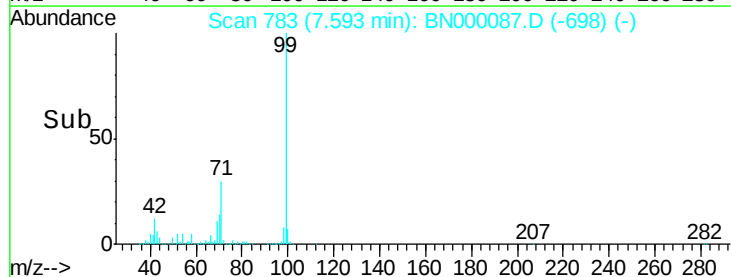
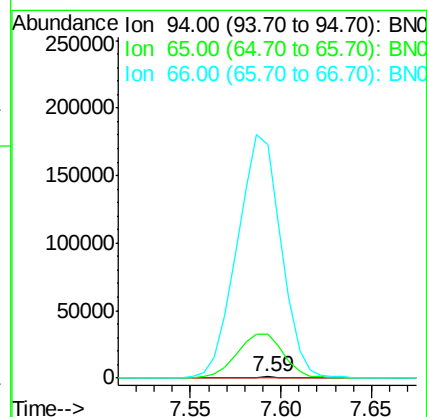
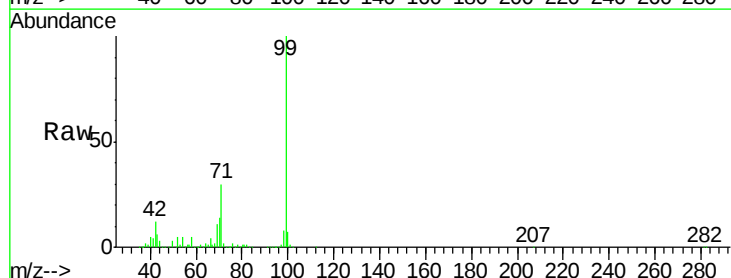
Tgt Ion: 94 Resp: 1836

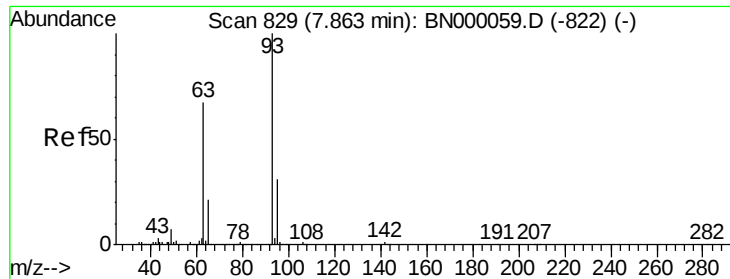
Ion Ratio Lower Upper

94 100

65 3649.5 11.9 51.9#

66 19599.5 22.2 62.2#

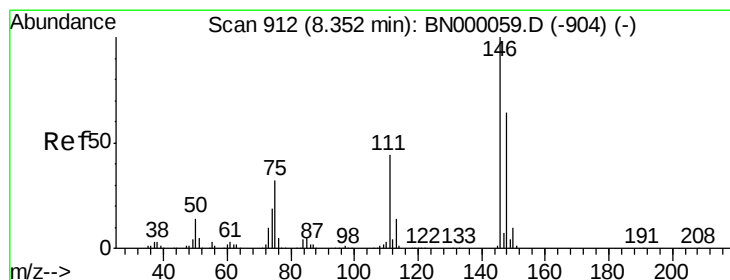
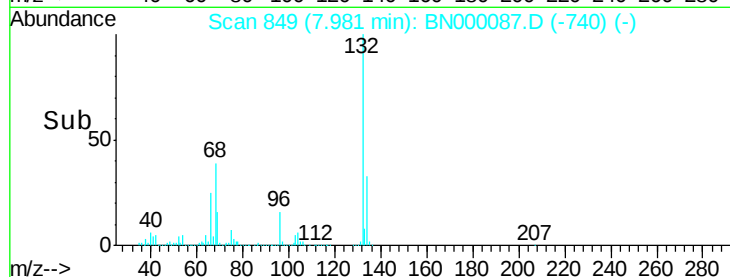
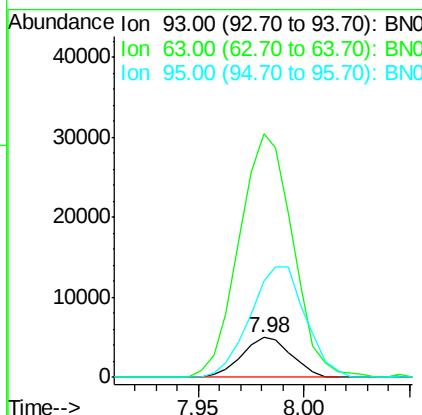
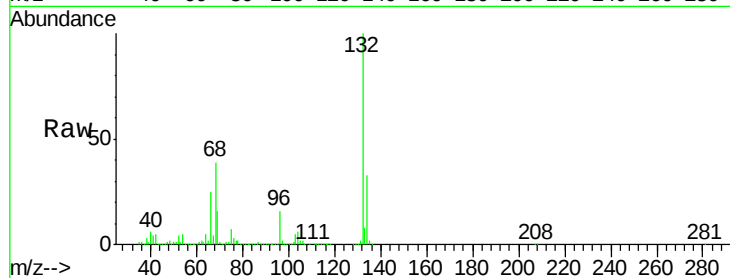




#11
bis(2-Chloroethyl)ether
Concen: 0.182 ng
RT: 7.98 min Scan# 849
Delta R.T. 0.11 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

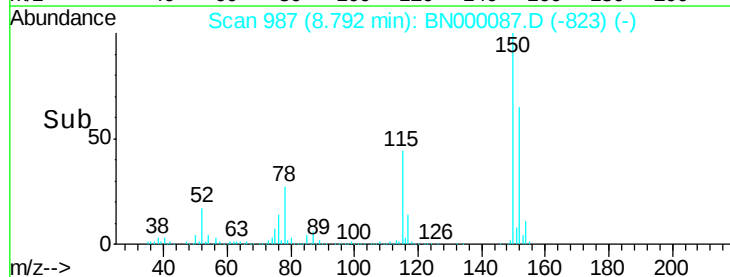
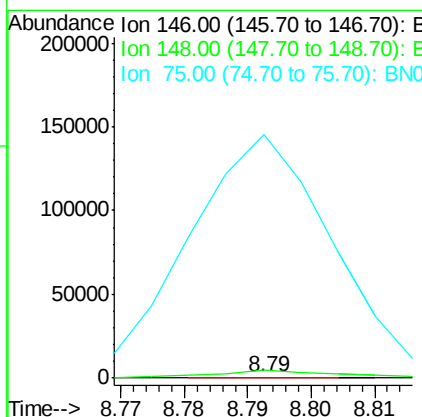
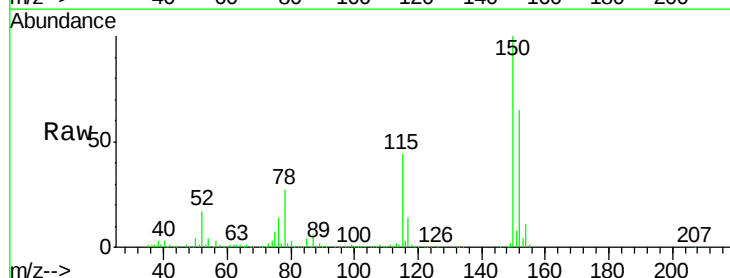
Instrument :
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PB105903BL

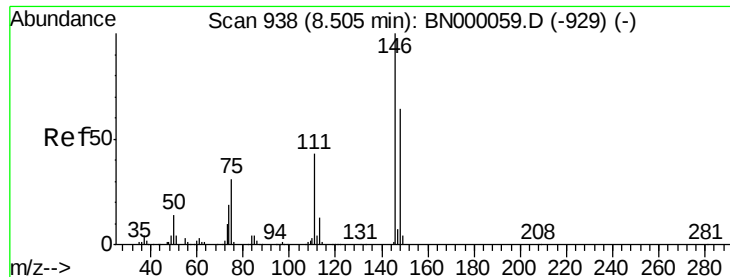
Tot Ion: 93 Resp: 8127
Ion Ratio Lower Upper
93 100
63 608.4 67.1 107.1#
95 239.9 11.5 51.5#



#12
1,3-Dichlorobenzene
Concen: 0.003 ng
RT: 8.79 min Scan# 987
Delta R.T. 0.44 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Tgt Ion: 146 Resp: 128
Ion Ratio Lower Upper
146 100
148 1254.7 51.4 77.2#
75 39929.7 26.6 39.8#





#13

1,4-Dichlorobenzene

Concen: 0.003 ng

RT: 8.79 min Scan# 987

Delta R.T. 0.28 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

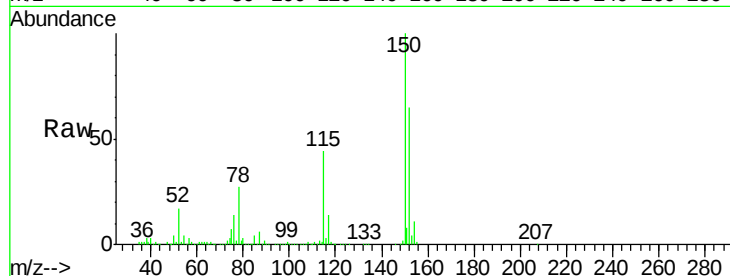
Tot Ion:146 Resp: 128

Ion Ratio Lower Upper

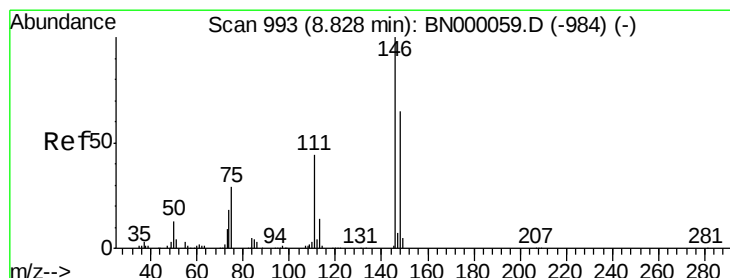
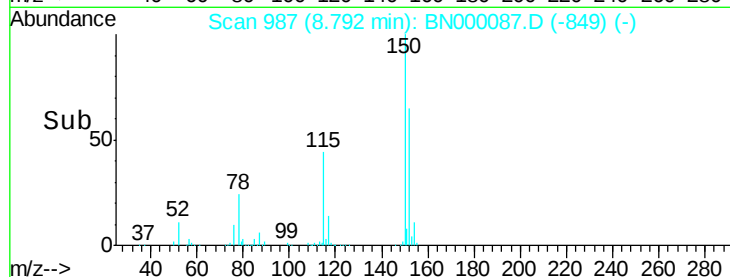
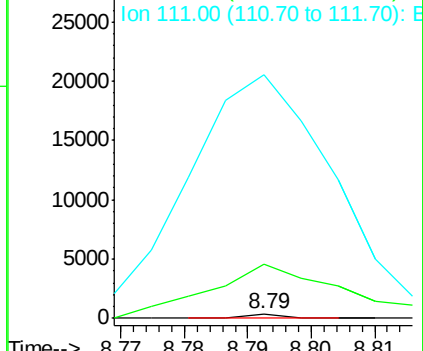
146 100

148 1254.7 53.7 80.5#

111 5644.0 35.2 52.8#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 0.003 ng

RT: 8.79 min Scan# 987

Delta R.T. -0.04 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

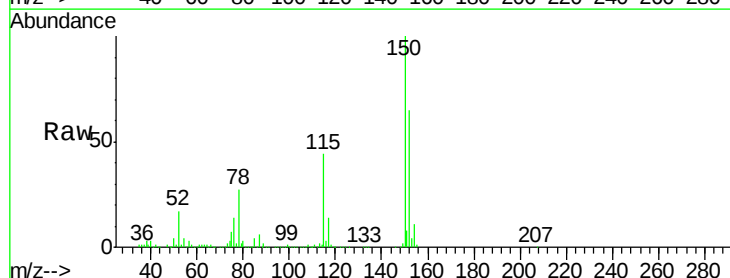
Tgt Ion:146 Resp: 128

Ion Ratio Lower Upper

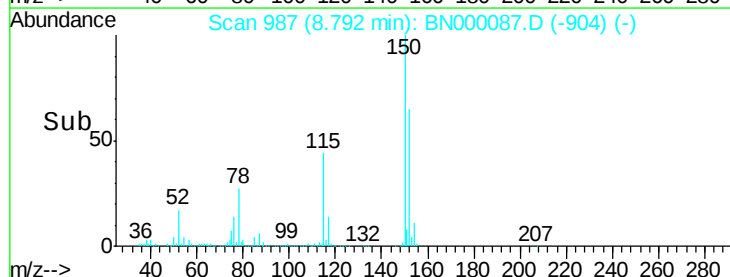
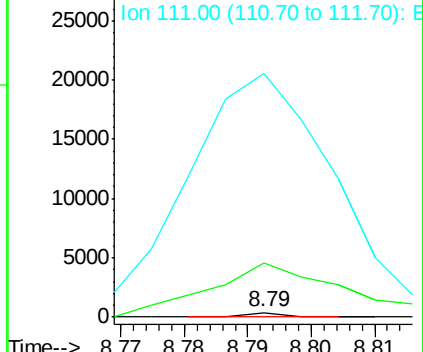
146 100

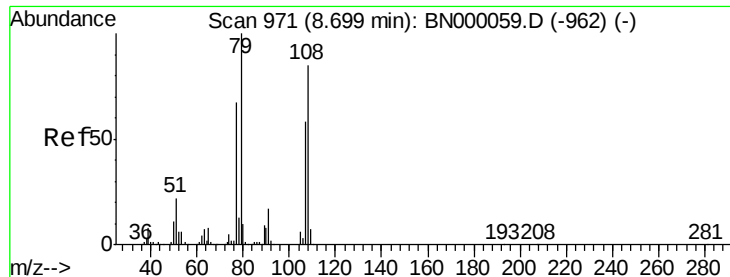
148 1254.7 49.3 73.9#

111 5644.0 34.3 51.5#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.730 ng

RT: 8.79 min Scan# 987

Delta R.T. 0.09 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

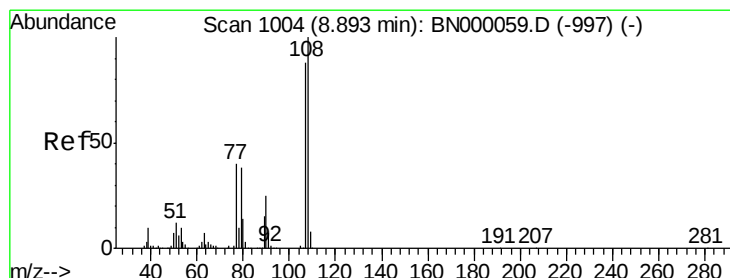
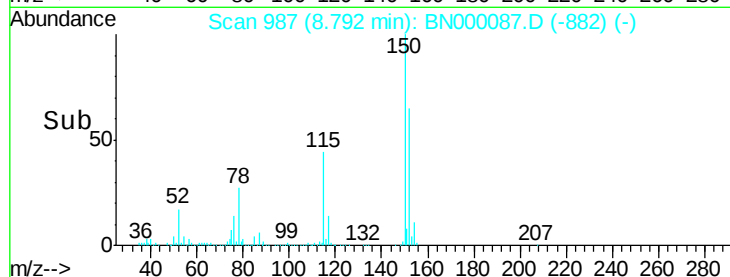
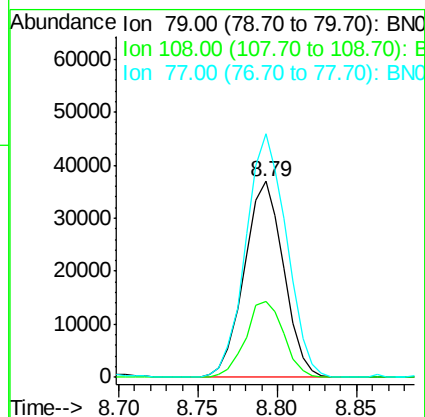
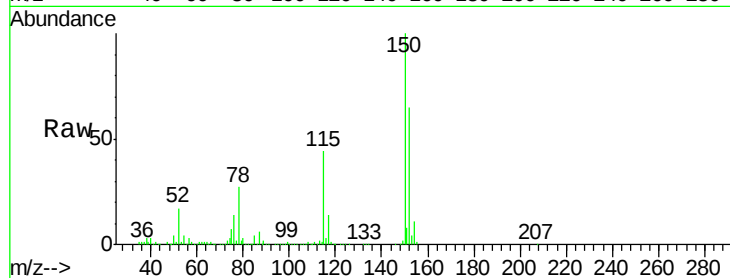
Tot Ion: 79 Resp: 63905

Ion Ratio Lower Upper

79 100

108 38.6 57.2 85.8#

77 124.2 46.1 69.1#



#17

2-Methylphenol

Concen: 0.015 ng

RT: 8.80 min Scan# 988

Delta R.T. -0.10 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Tgt Ion: 107 Resp: 570

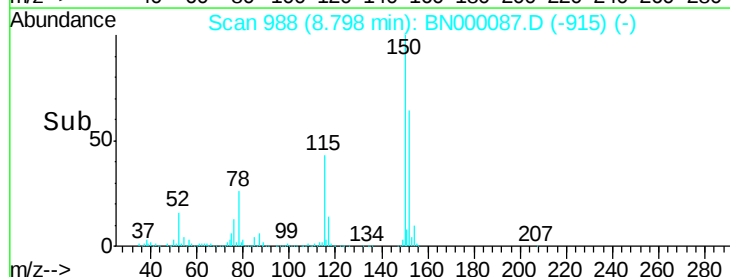
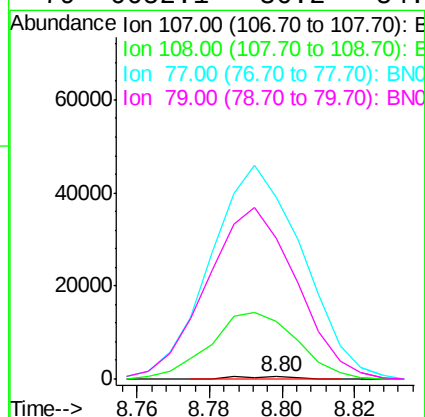
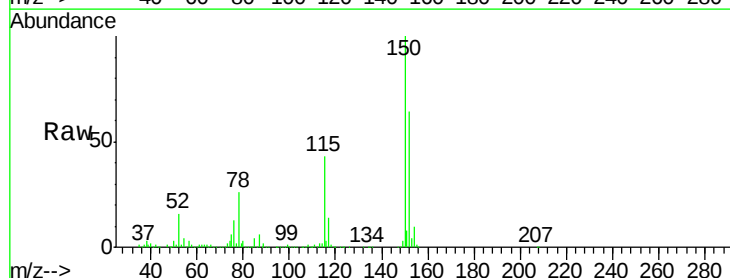
Ion Ratio Lower Upper

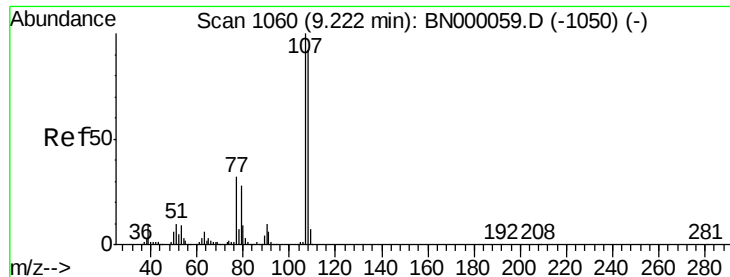
107 100

108 2729.5 83.9 125.9#

77 8560.2 37.2 55.8#

79 6652.1 36.2 54.2#





#20

3+4-Methylphenols

Concen: 0.011 ng

RT: 8.80 min Scan# 988

Delta R.T. -0.43 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

Tot Ion:107 Resp: 570

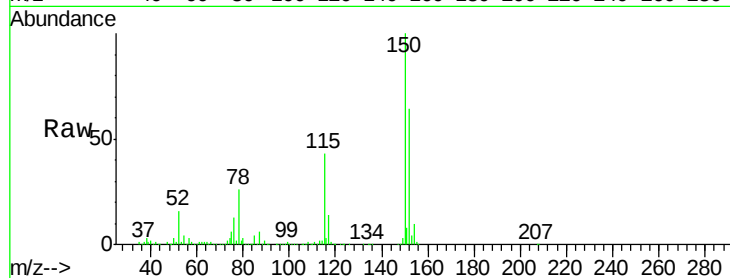
Ion Ratio Lower Upper

107 100

108 2729.5 61.6 101.6#

77 8560.2 13.9 53.9#

79 6652.1 8.8 48.8#

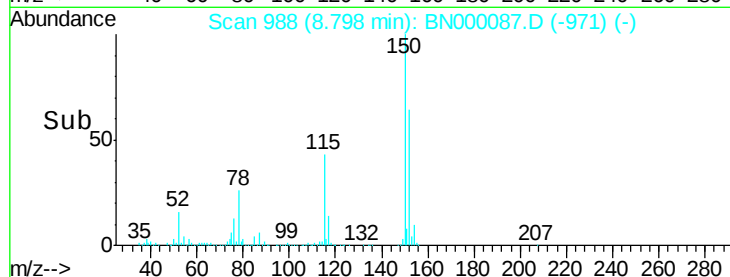


Abundance Ion 107.00 (106.70 to 107.70): E

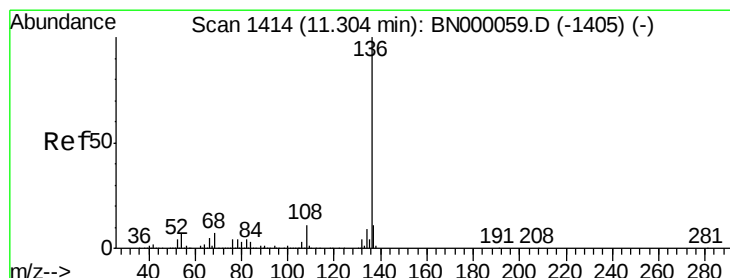
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Tgt Ion:136 Resp: 2603990

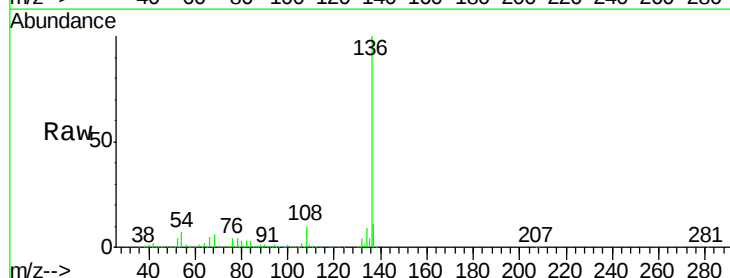
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 6.5 10.3 15.5#

68 6.3 4.5 6.7

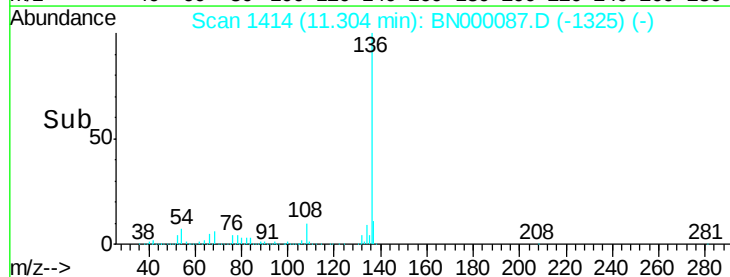


Abundance Ion 136.00 (135.70 to 136.70): E

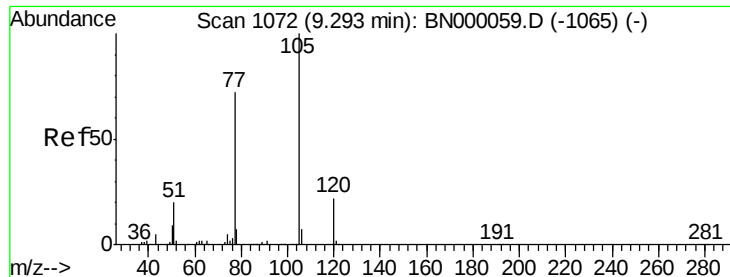
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#22

Acetophenone

Concen: 0.002 ng

RT: 9.29 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

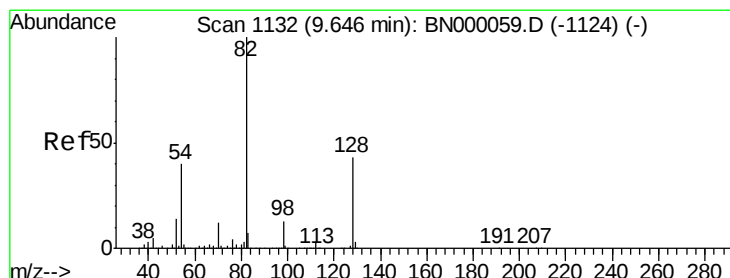
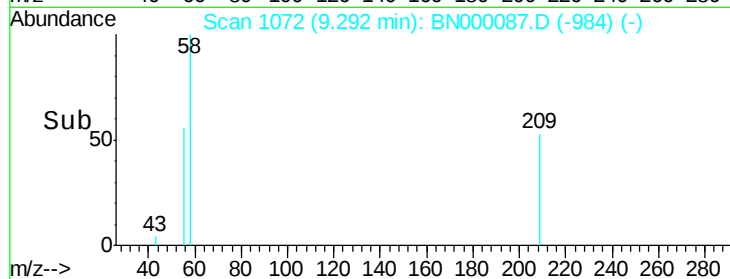
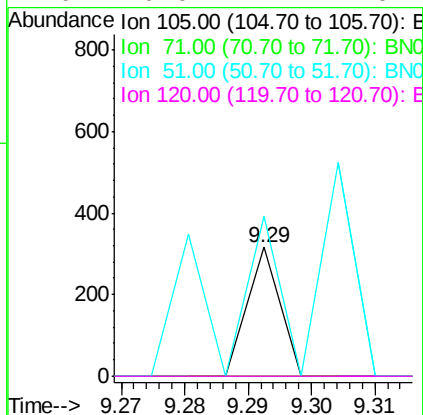
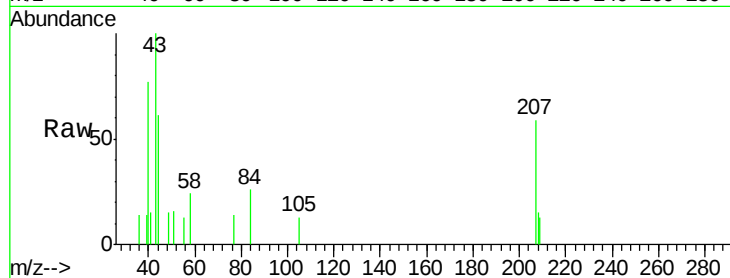
Instrument :

BNA_N

ClientSampled :

PB105903BL

Tot Ion:	105	Resp:	112
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	124.1	26.1	39.1#
120	0.0	17.4	26.2#



#23

Nitrobenzene-d5

Concen: 87.655 ng

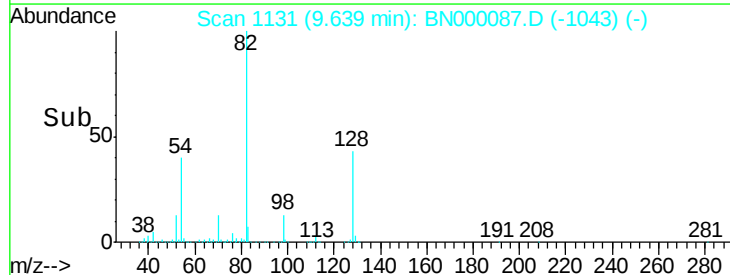
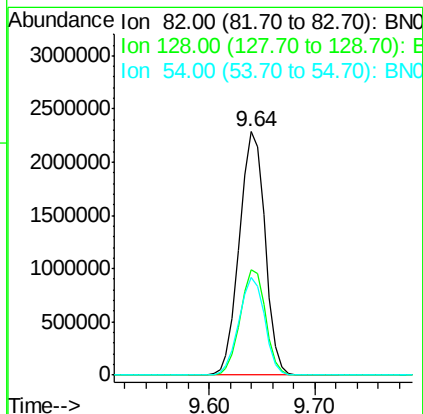
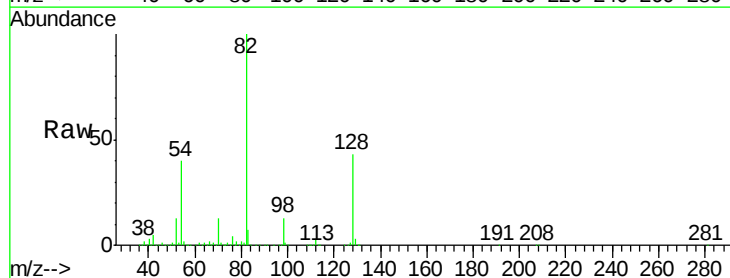
RT: 9.64 min Scan# 1131

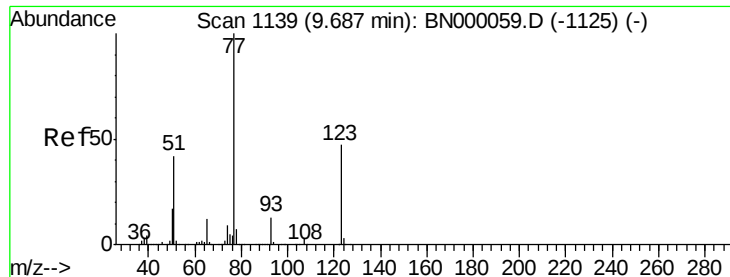
Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Tgt Ion:	82	Resp:	3839035
Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.7	44.5
54	40.2	43.1	64.7#

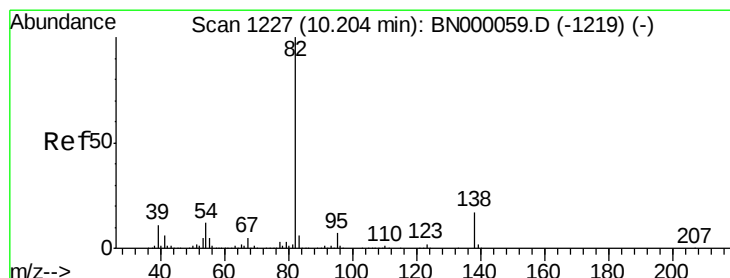
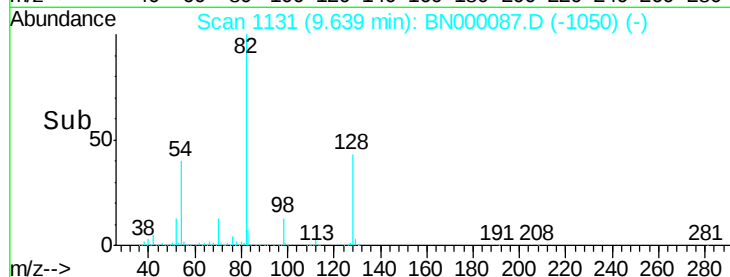
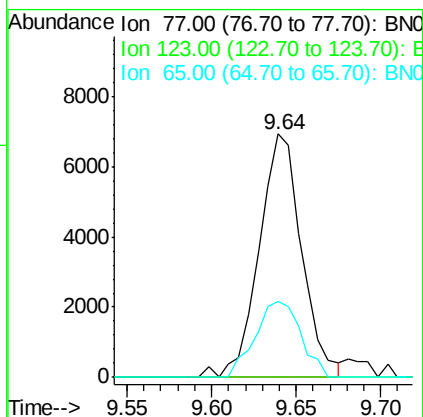
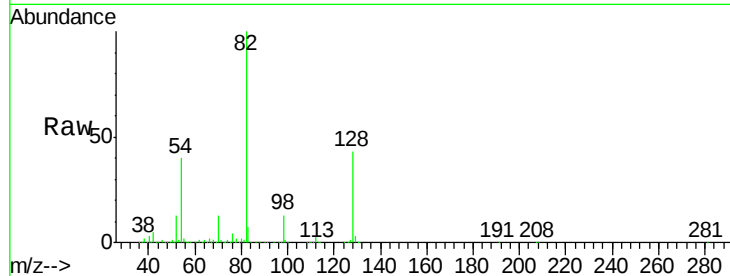




#24
Nitrobenzene
Concen: 0.253 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.05 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

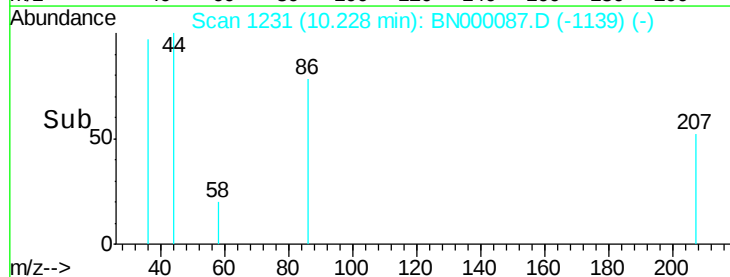
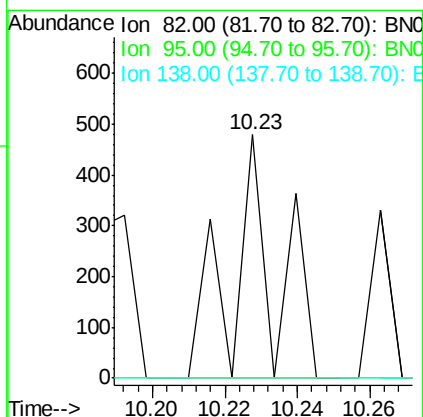
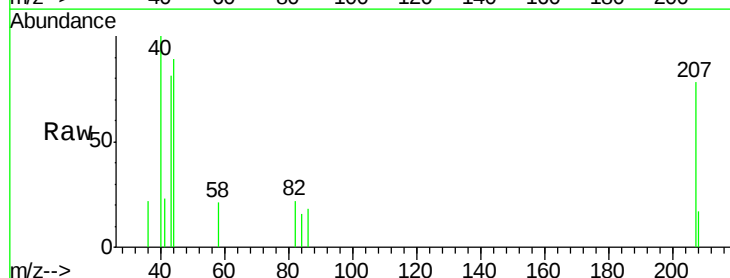
Instrument :
BNA_N
ClientSampleId :
PB105903BL

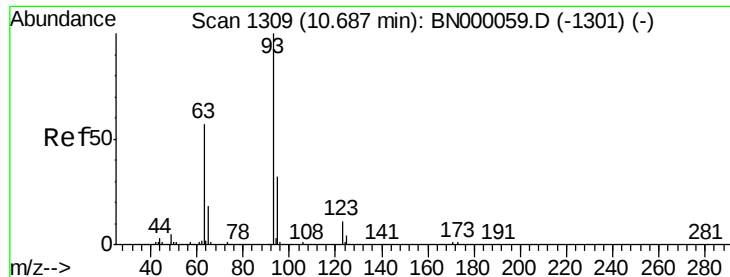
Tot Ion: 77 Resp: 12119
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 31.2 13.0 19.6#



#25
Isophorone
Concen: 0.005 ng
RT: 10.23 min Scan# 1231
Delta R.T. 0.01 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Tgt Ion: 82 Resp: 408
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.1 18.1#

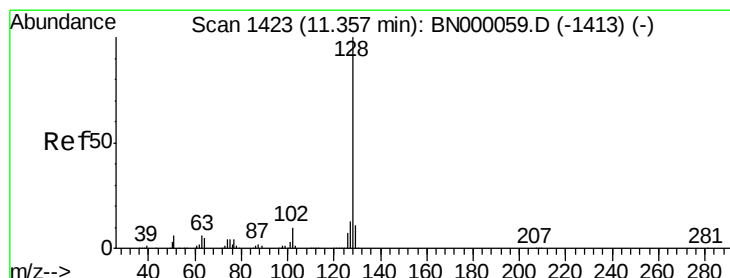
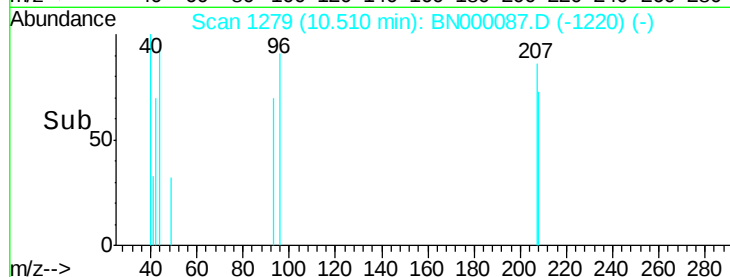
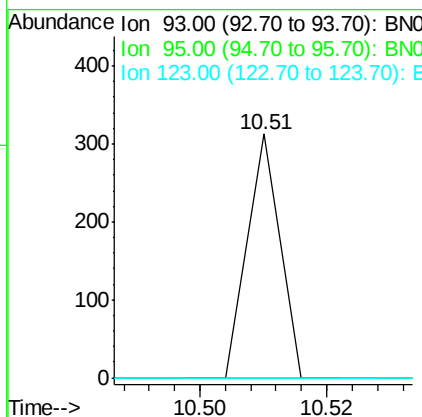
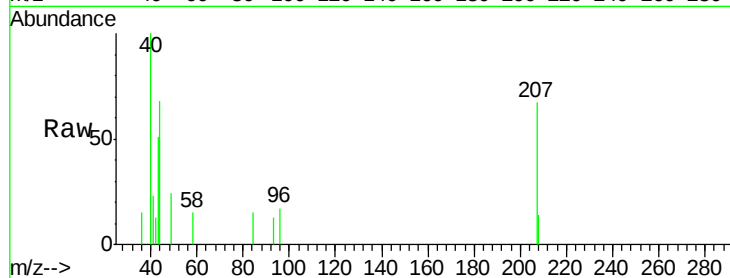




#28
bis(2-Chloroethoxy)methane
Concen: 0.002 ng
RT: 10.51 min Scan# 1279
Delta R.T. -0.18 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

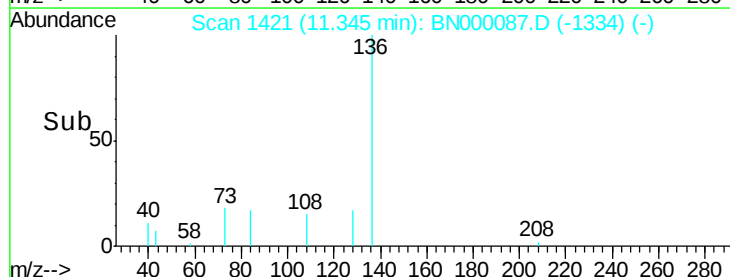
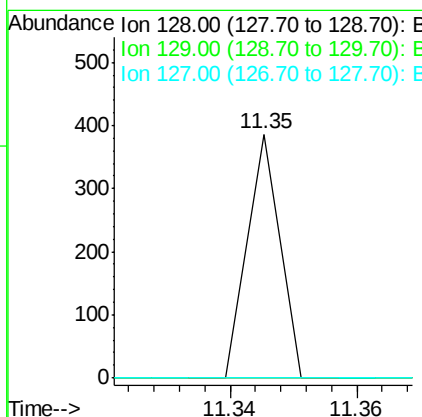
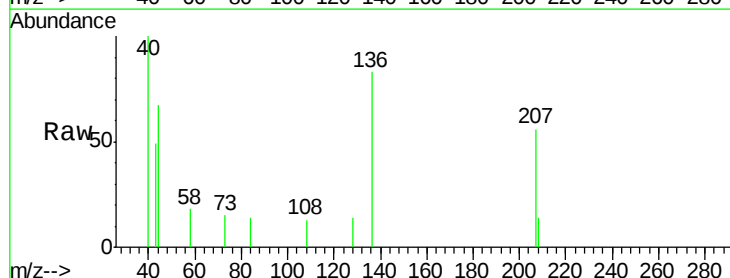
Instrument :
BNA_N
ClientSampleId :
PB105903BL

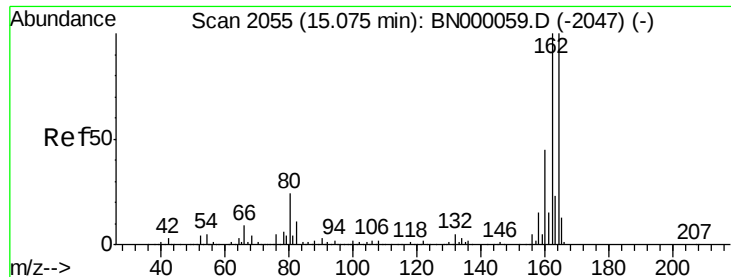
Tot Ion: 93 Resp: 110
Ion Ratio Lower Upper
93 100
95 0.0 24.3 36.5#
123 0.0 8.4 12.6#



#31
Naphthalene
Concen: 0.001 ng
RT: 11.35 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Tgt Ion: 128 Resp: 136
Ion Ratio Lower Upper
128 100
129 0.0 8.6 12.8#
127 0.0 11.6 17.4#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.07 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

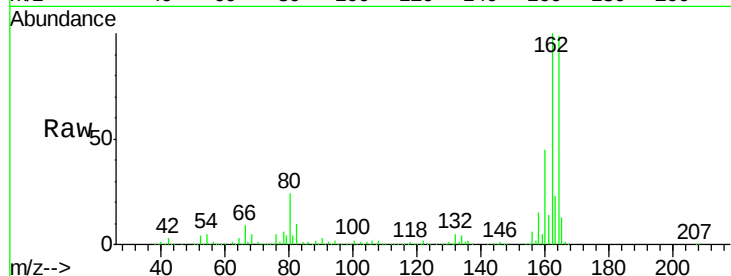
Tot Ion:164 Resp: 1505394

Ion Ratio Lower Upper

164 100

162 100.8 78.8 118.2

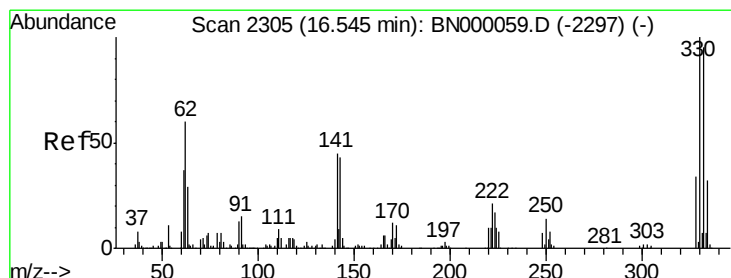
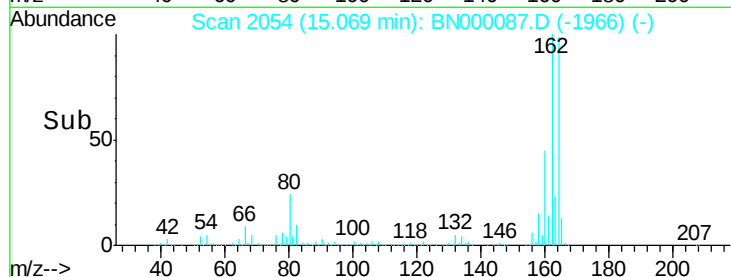
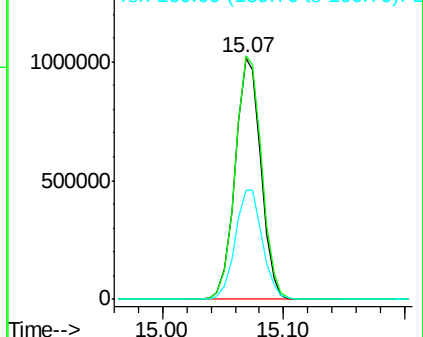
160 45.4 35.4 53.0



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: 127.576 ng

RT: 16.54 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

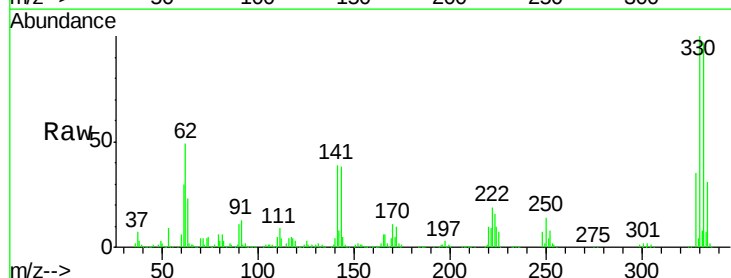
Tgt Ion:330 Resp: 1901022

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

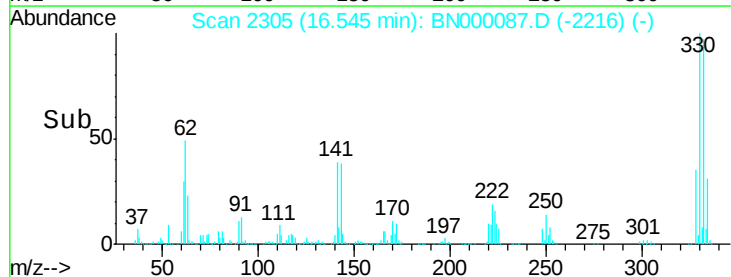
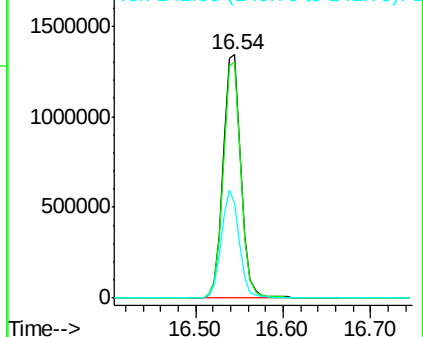
141 44.9 25.2 37.8#

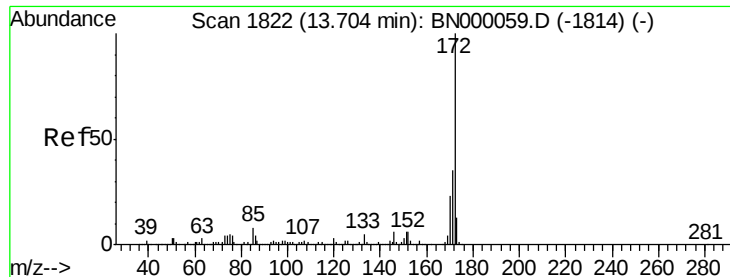


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

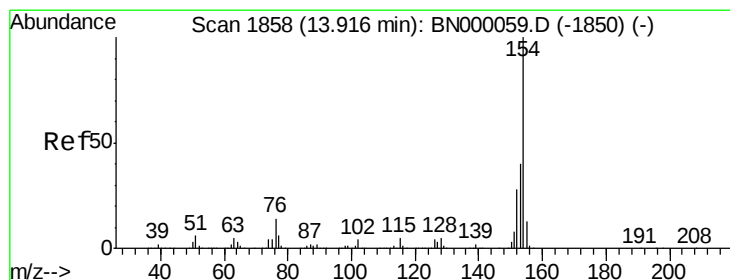
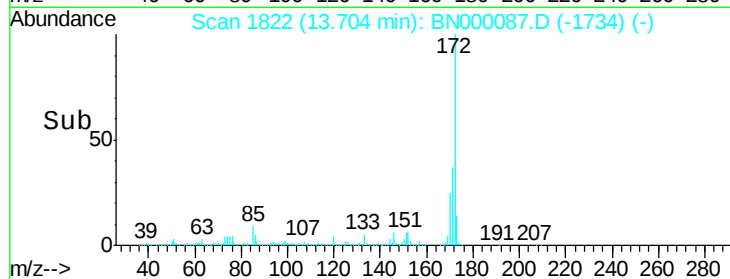
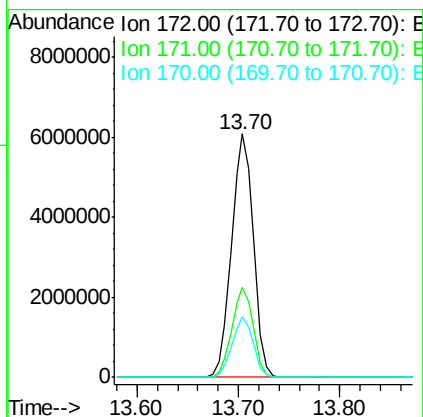
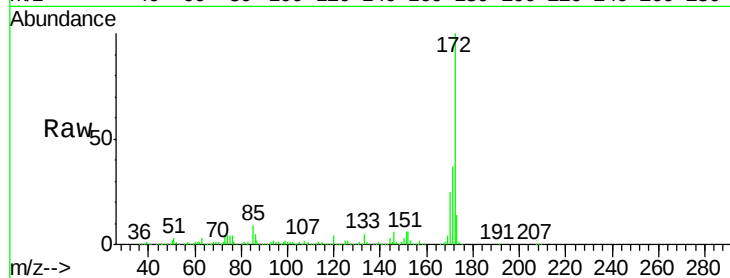




#44
2-Fluorobiphenyl
Concen: 84.586 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

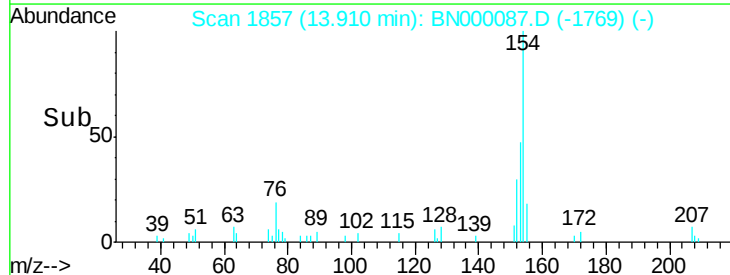
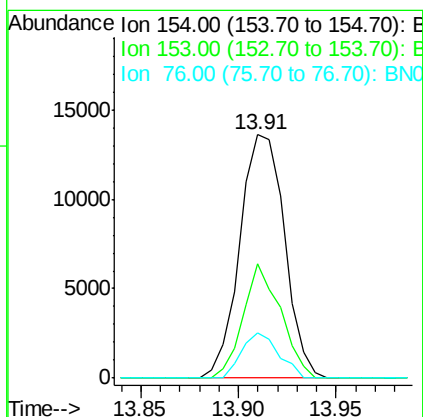
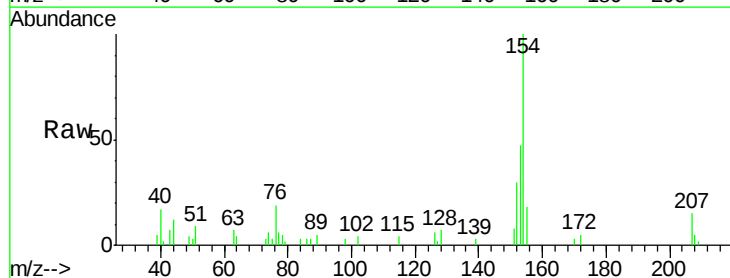
Instrument :
BNA_N
ClientSampleId :
PB105903BL

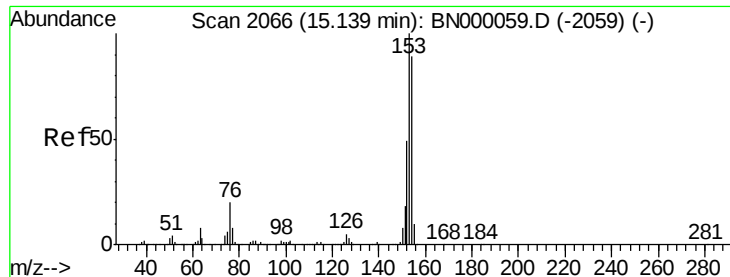
Tot Ion:172 Resp: 9034674
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 24.8 19.5 29.3



#45
1,1'-Biphenyl
Concen: 0.163 ng
RT: 13.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Tgt Ion:154 Resp: 21572
Ion Ratio Lower Upper
154 100
153 46.9 19.8 59.8
76 18.6 0.0 31.9





#51

Acenaphthene

Concen: 0.056 ng

RT: 15.07 min Scan# 2054

Delta R.T. -0.08 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

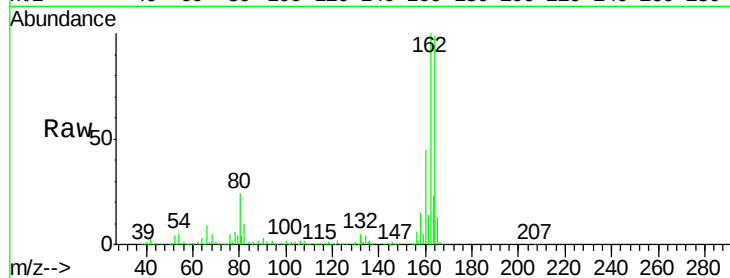
Tot Ion:154 Resp: 5813

Ion Ratio Lower Upper

154 100

153 0.0 90.4 135.6#

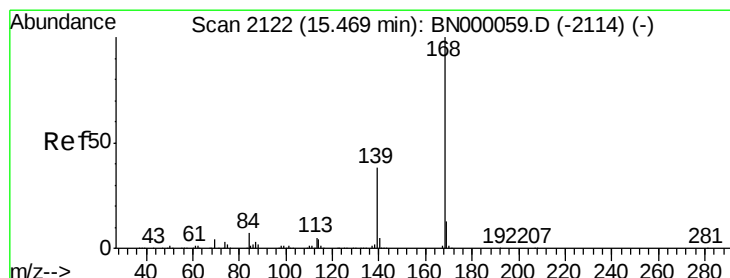
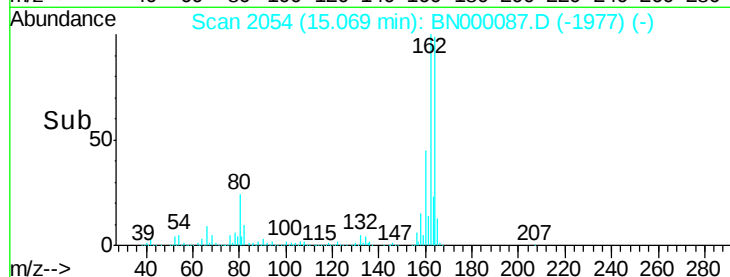
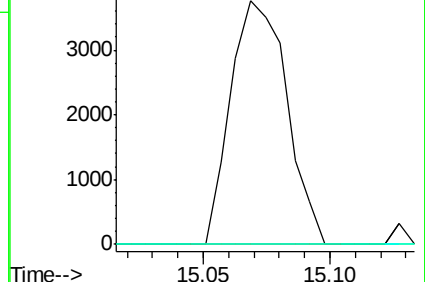
152 0.0 41.6 62.4#



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



#54

Dibenzofuran

Concen: 0.001 ng

RT: 15.46 min Scan# 2120

Delta R.T. -0.02 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

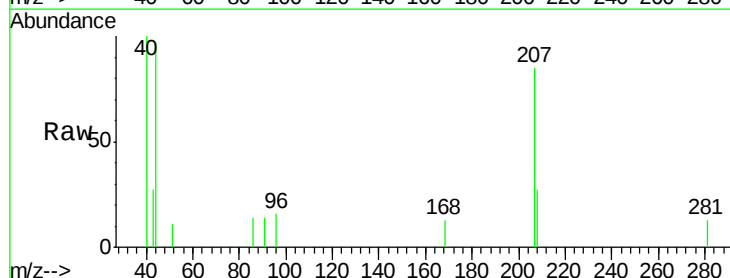
Tgt Ion:168 Resp: 116

Ion Ratio Lower Upper

168 100

139 0.0 28.6 43.0#

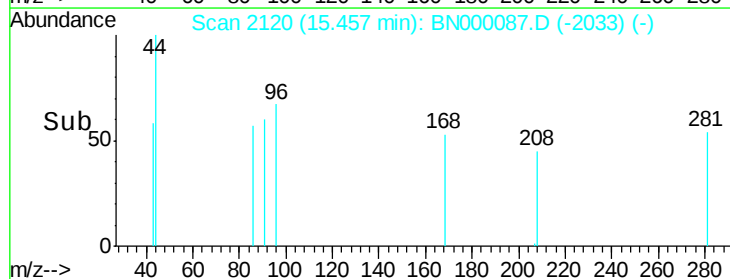
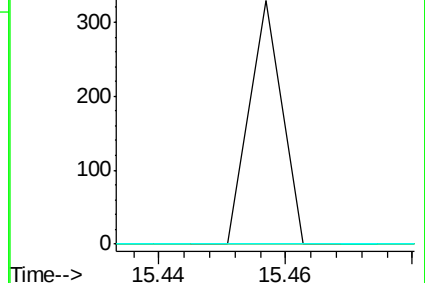
169 0.0 11.2 16.8#

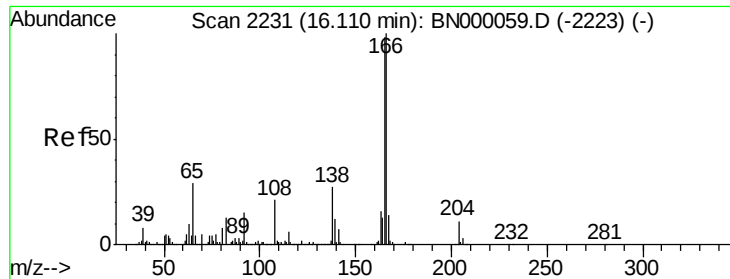


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

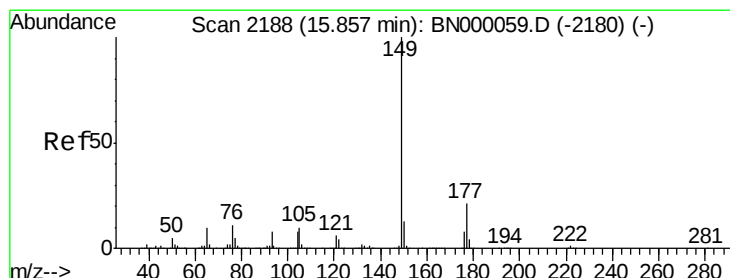
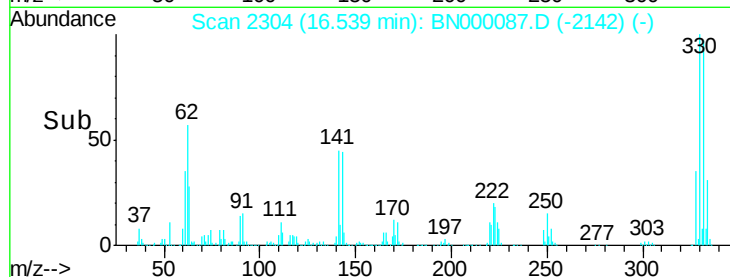
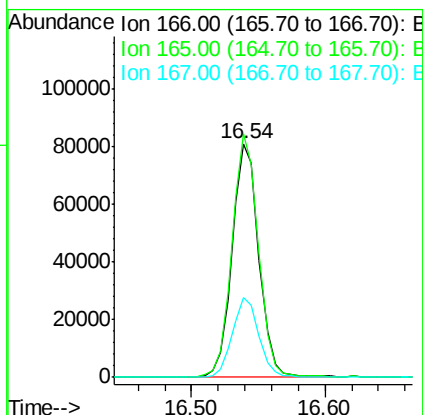
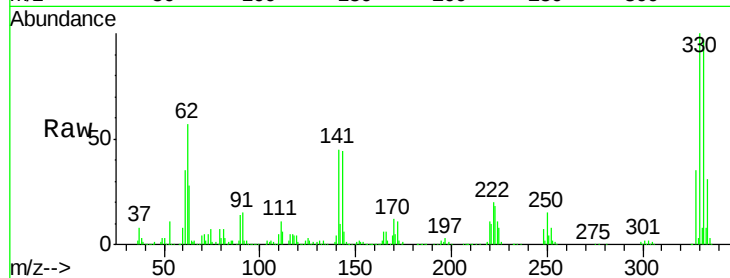




#57
 Fluorene
 Concen: 0.940 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. 0.42 min
 Lab File: BN000087.D
 Acq: 15 Feb 2018 09:31

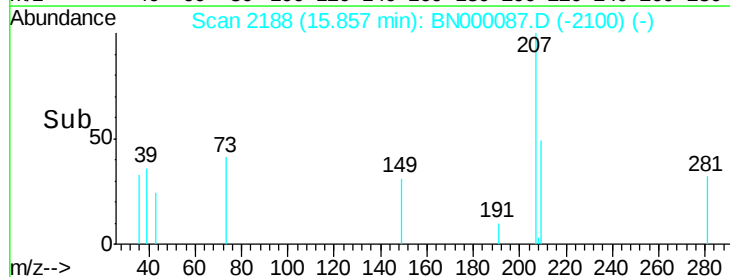
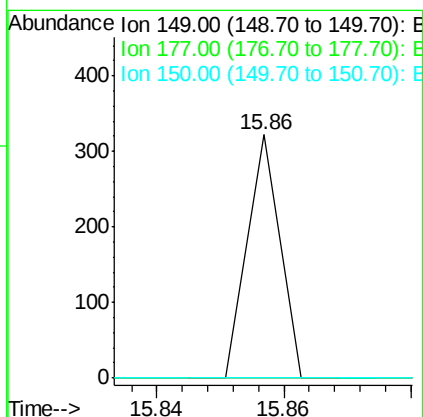
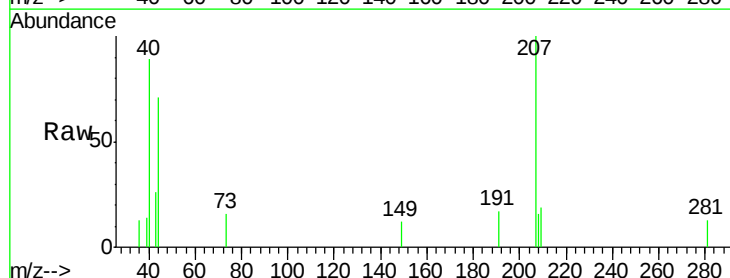
Instrument :
 BNA_N
 ClientSampleId :
 PB105903BL

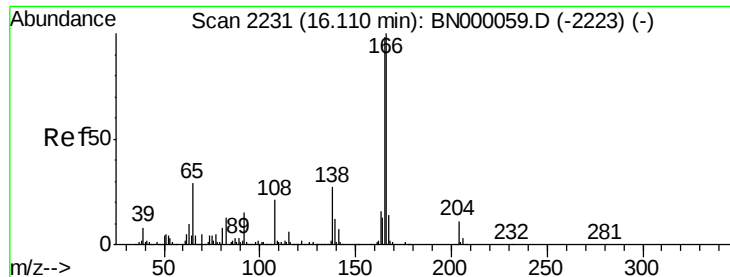
Tot Ion:166 Resp: 113466
 Ion Ratio Lower Upper
 166 100
 165 104.1 80.6 121.0
 167 34.3 10.4 15.6#



#59
 Diethylphthalate
 Concen: 0.001 ng
 RT: 15.86 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: BN000087.D
 Acq: 15 Feb 2018 09:31

Tgt Ion:149 Resp: 114
 Ion Ratio Lower Upper
 149 100
 177 0.0 18.5 27.7#
 150 0.0 10.2 15.2#

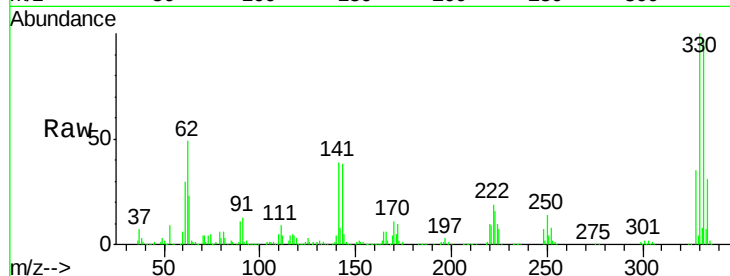




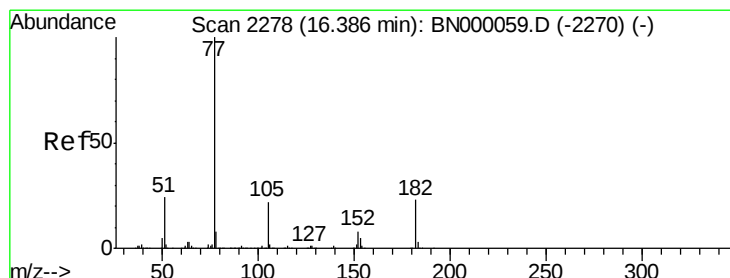
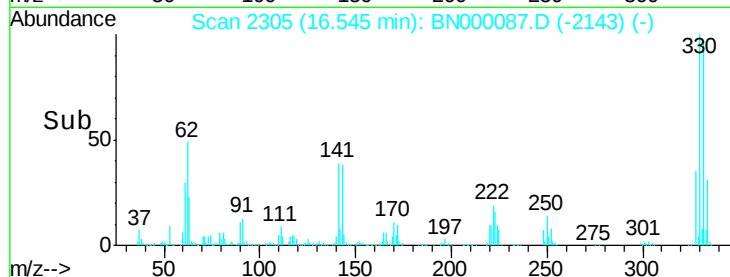
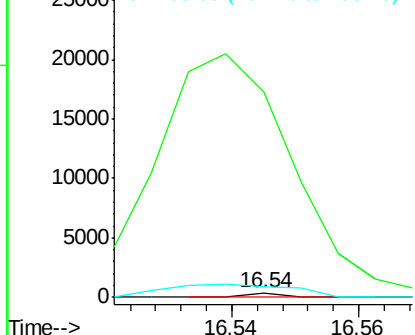
#61
4-Nitroaniline
Concen: 0.004 ng
RT: 16.54 min Scan# 2305
Delta R.T. 0.42 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Instrument :
BNA_N
ClientSampleId :
PB105903BL

Tot Ion:138 Resp: 132
Ion Ratio Lower Upper
138 100
92 4588.8 40.1 80.1#
108 253.1 65.4 105.4#

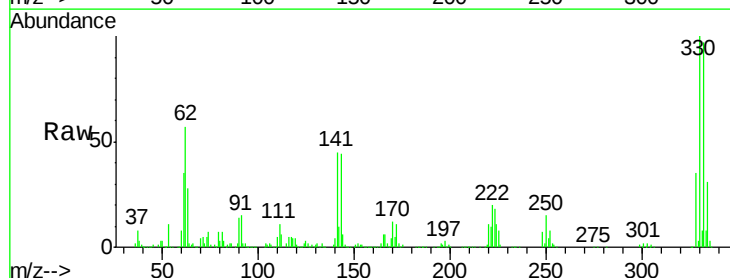


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNO
Ion 108.00 (107.70 to 108.70): E

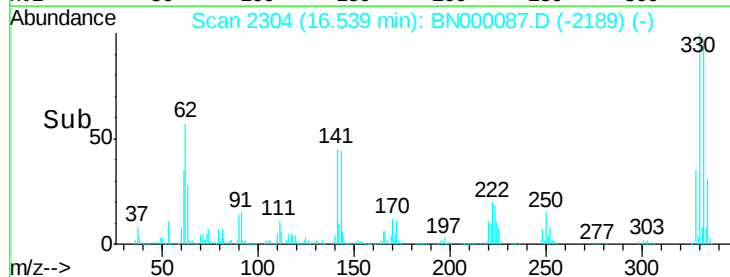
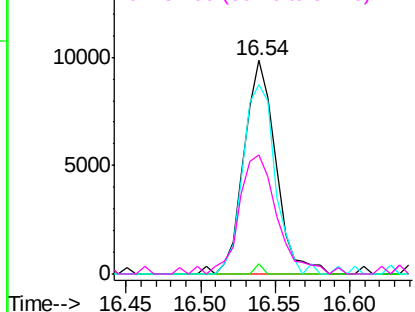


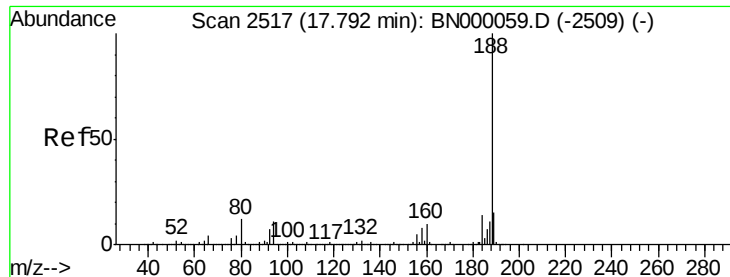
#62
Azobenzene
Concen: 0.115 ng
RT: 16.54 min Scan# 2304
Delta R.T. 0.15 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Tgt Ion: 77 Resp: 14602
Ion Ratio Lower Upper
77 100
182 4.5 7.4 47.4#
105 88.4 0.3 40.3#
51 55.7 11.6 51.6#



Abundance Ion 77.00 (76.70 to 77.70): BNO
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): BNO





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.79 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

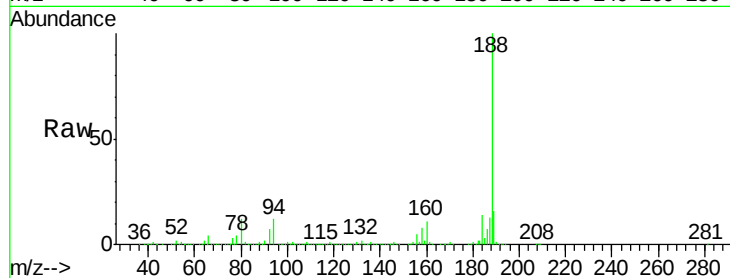
Tot Ion:188 Resp: 3424984

Ion Ratio Lower Upper

188 100

94 11.6 6.9 10.3#

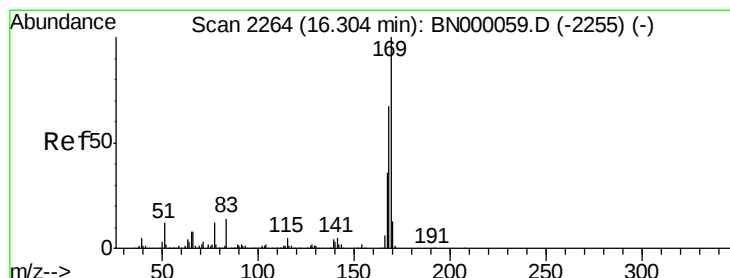
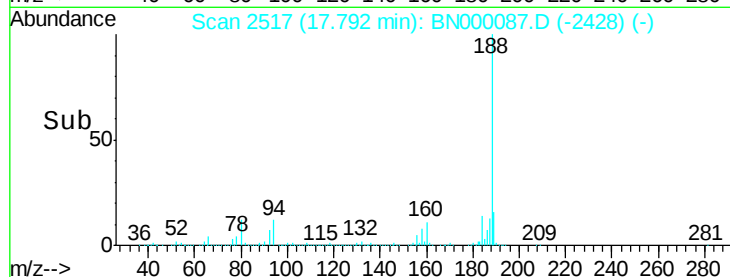
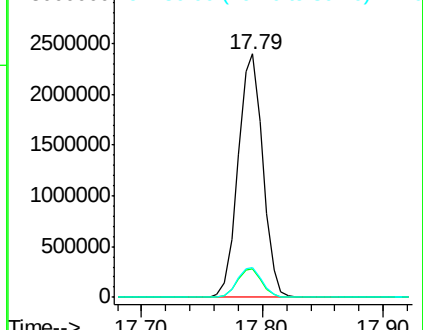
80 12.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#65

n-Nitrosodiphenylamine

Concen: 0.691 ng

RT: 16.54 min Scan# 2304

Delta R.T. 0.23 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

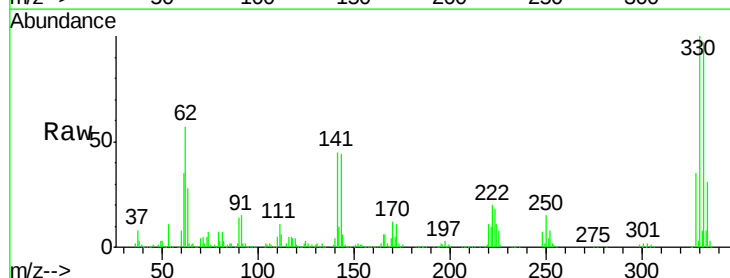
Tgt Ion:169 Resp: 76966

Ion Ratio Lower Upper

169 100

168 7.0 55.7 83.5#

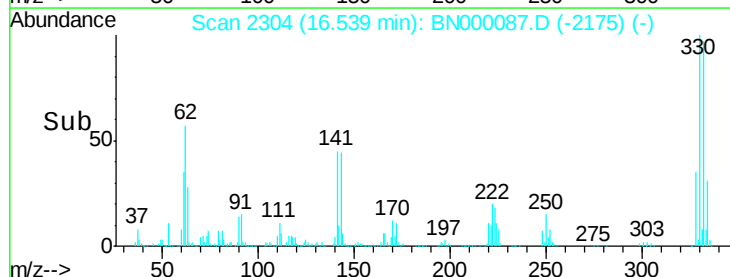
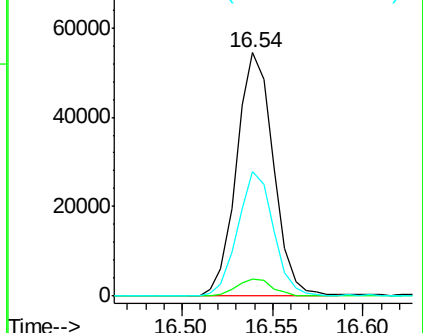
167 51.2 30.1 45.1#

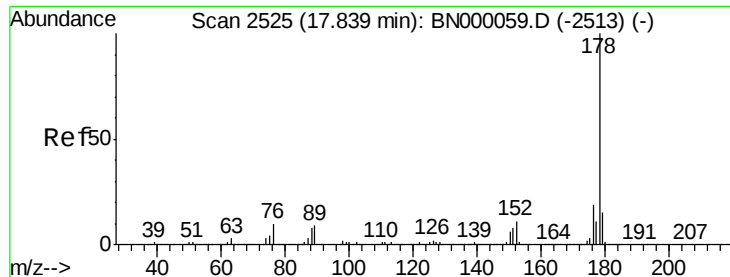


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 0.003 ng

RT: 17.83 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

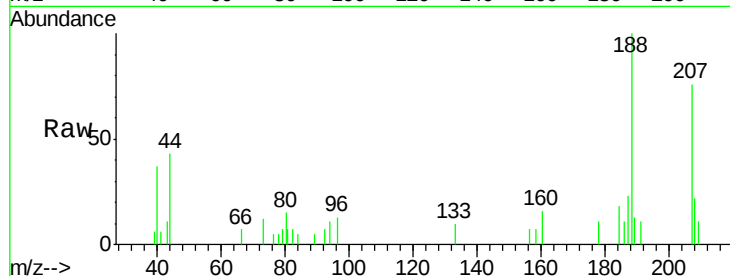
Tot Ion:178 Resp: 561

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

179 0.0 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

800

600

400

200

0

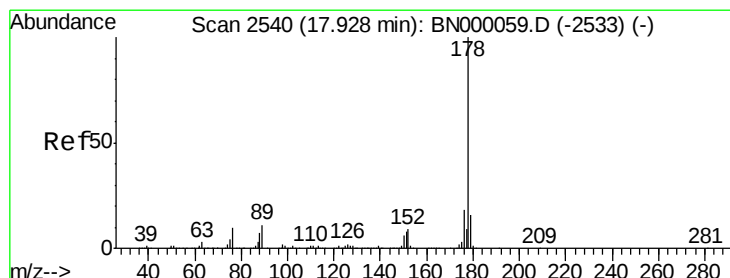
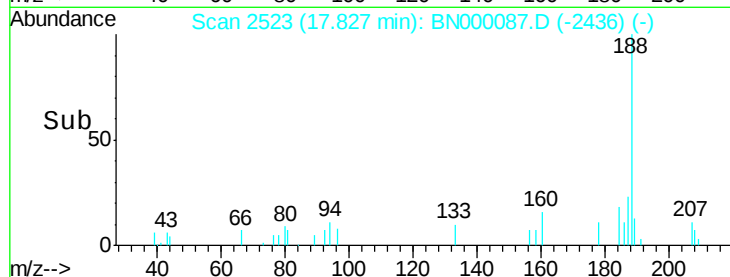
17.82

17.83

17.84

17.86

Time-->



#71

Anthracene

Concen: 0.003 ng

RT: 17.83 min Scan# 2523

Delta R.T. -0.11 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

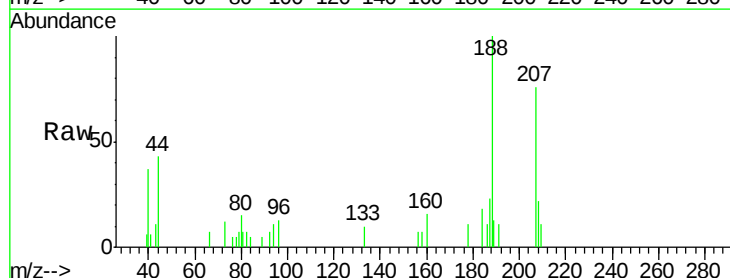
Tgt Ion:178 Resp: 561

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

179 0.0 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

800

600

400

200

0

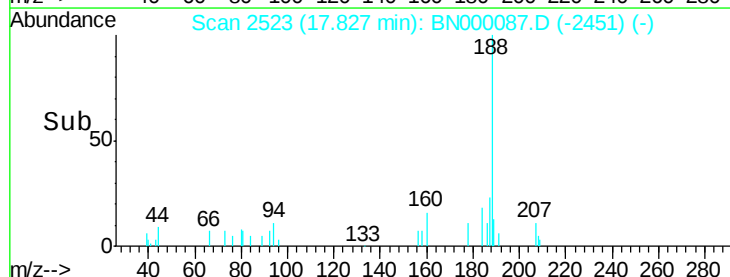
17.82

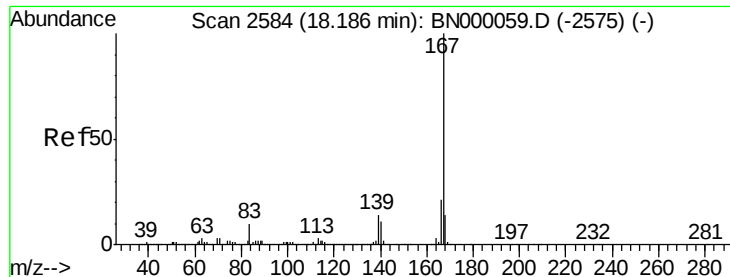
17.83

17.84

17.86

Time-->





#72

Carbazole

Concen: 0.001 ng

RT: 18.18 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

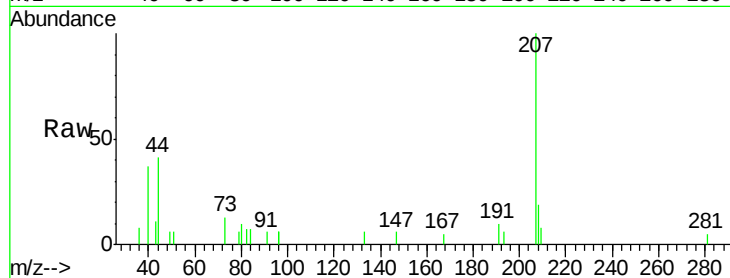
Tot Ion:167 Resp: 111

Ion Ratio Lower Upper

167 100

166 0.0 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

18.18

300

200

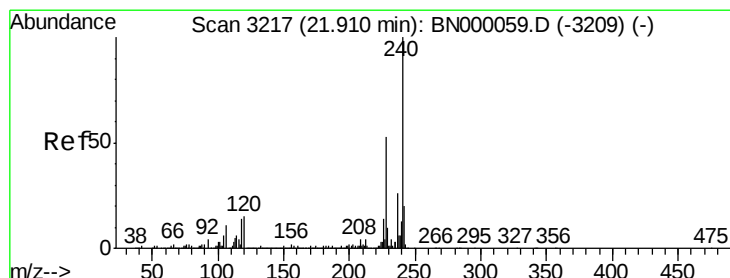
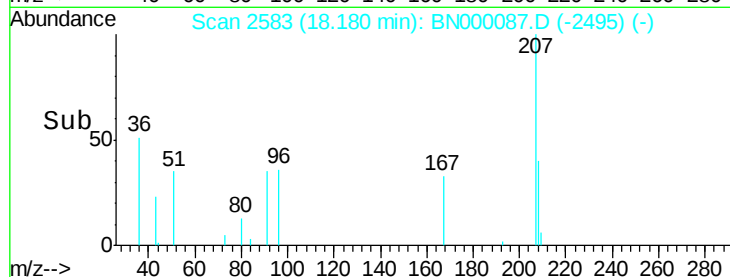
100

0

18.16

18.18

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

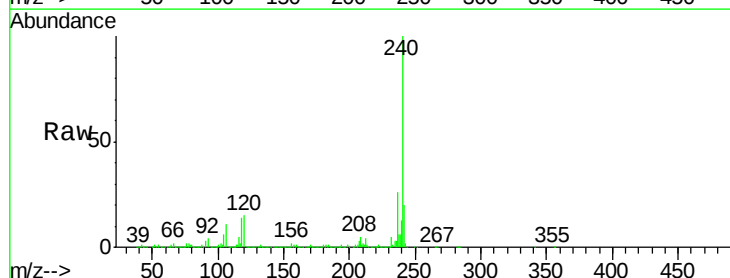
Tgt Ion:240 Resp: 3488624

Ion Ratio Lower Upper

240 100

120 15.3 6.8 10.2#

236 25.9 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

21.90

3000000

2000000

1000000

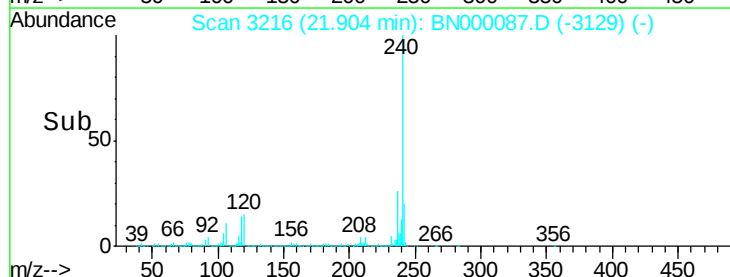
0

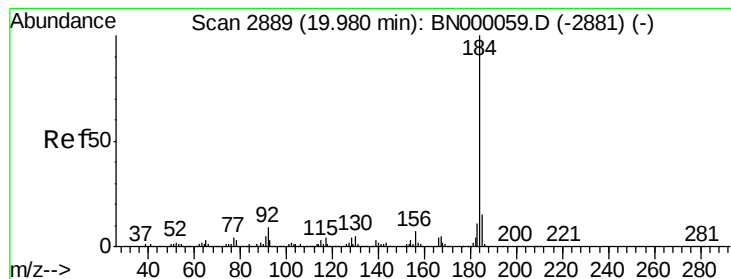
21.80

21.90

22.00

Time-->





#76

Benzidine

Concen: 1.850 ng

RT: 20.35 min Scan# 2952

Delta R.T. 0.36 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

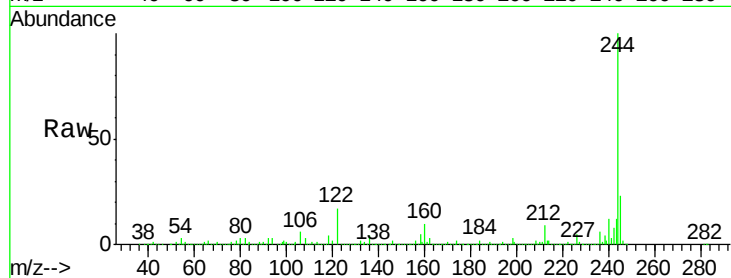
Tot Ion:184 Resp: 205789

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

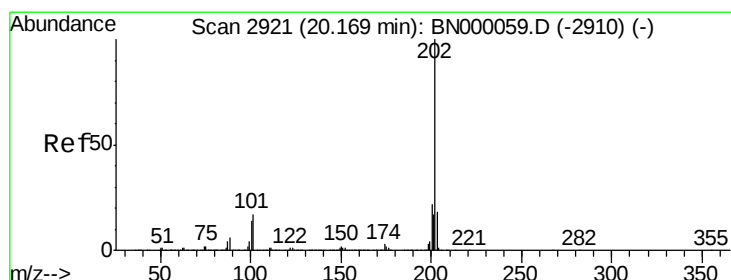
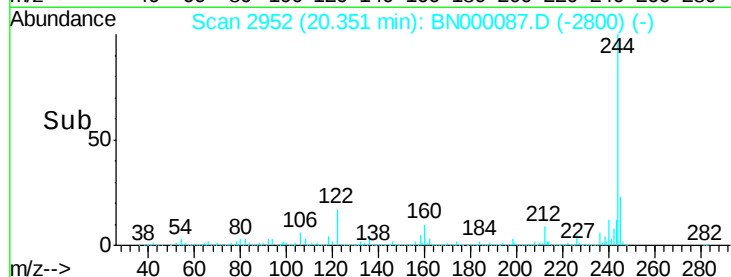
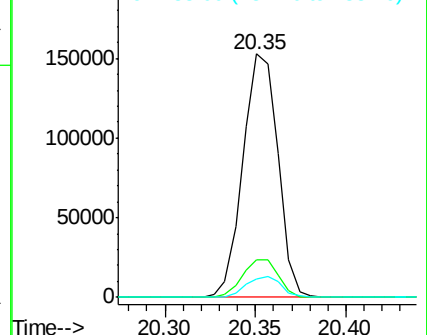
183 7.6 10.6 16.0#



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: 0.219 ng

RT: 20.36 min Scan# 2953

Delta R.T. 0.18 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

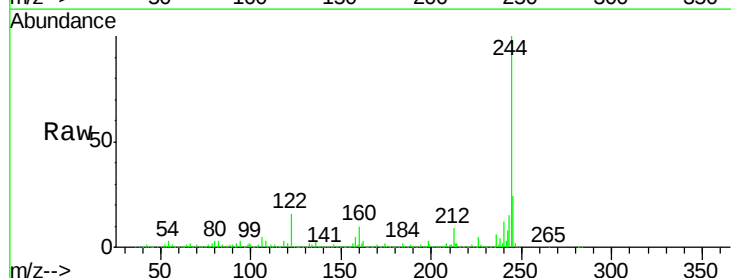
Tgt Ion:202 Resp: 48553

Ion Ratio Lower Upper

202 100

200 45.4 16.9 25.3#

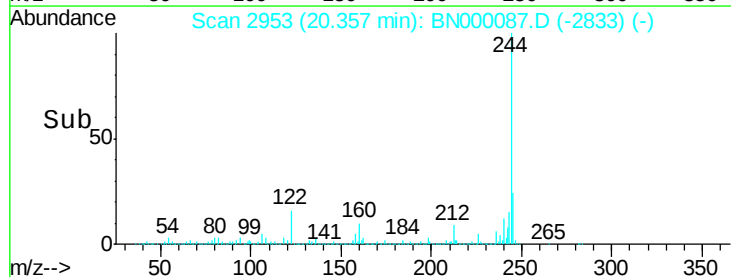
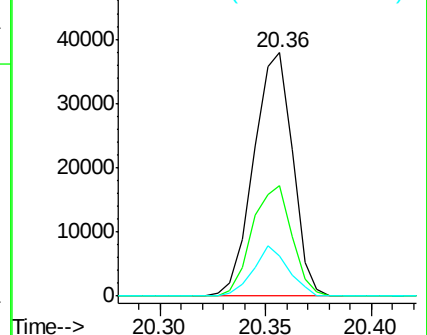
203 16.5 13.9 20.9

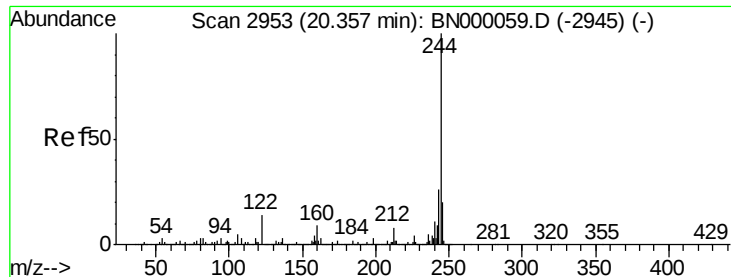


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.487 ng

RT: 20.36 min Scan# 2953

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

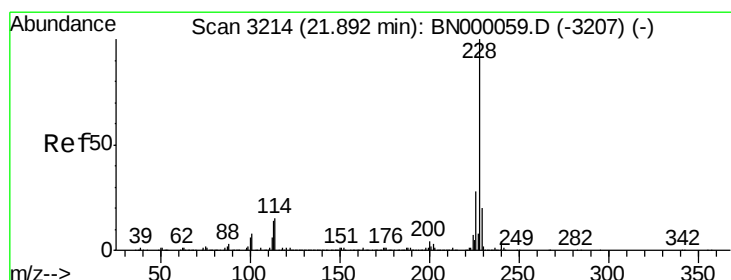
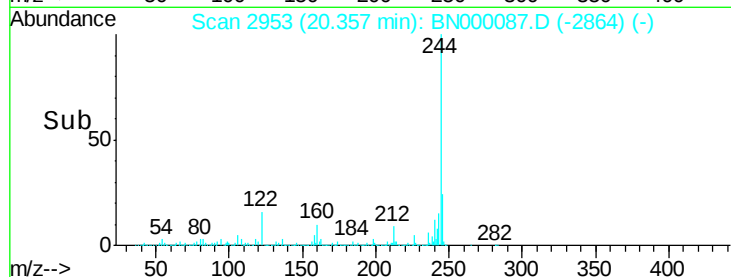
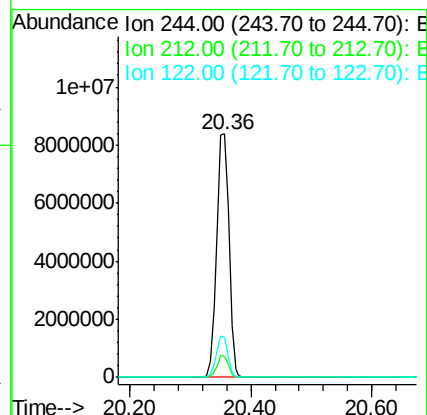
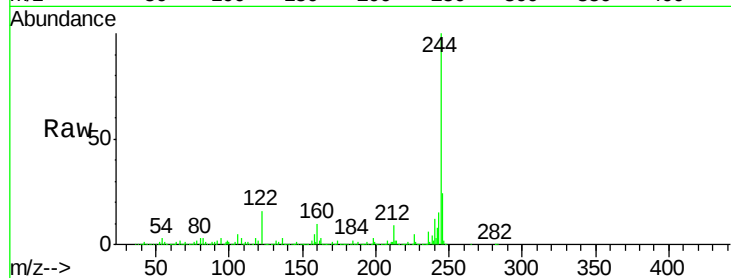
Tot Ion:244 Resp:11949490

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

122 16.4 7.0 10.4#



#80

Benzo(a)anthracene

Concen: 0.046 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

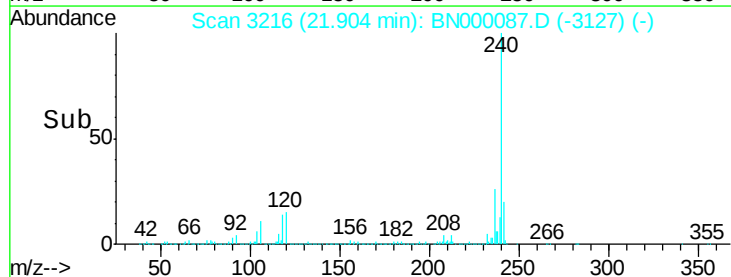
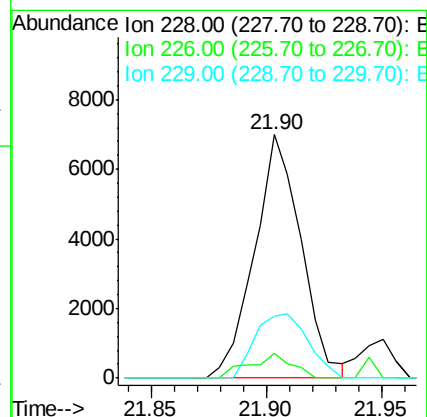
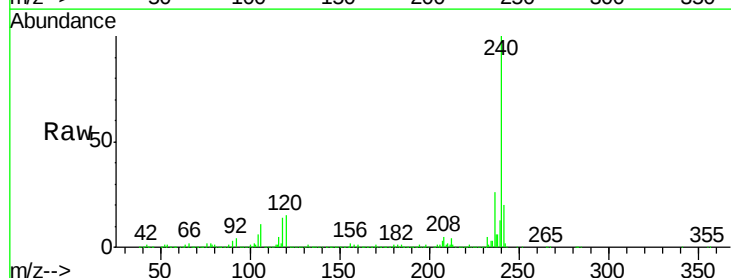
Tgt Ion:228 Resp: 9811

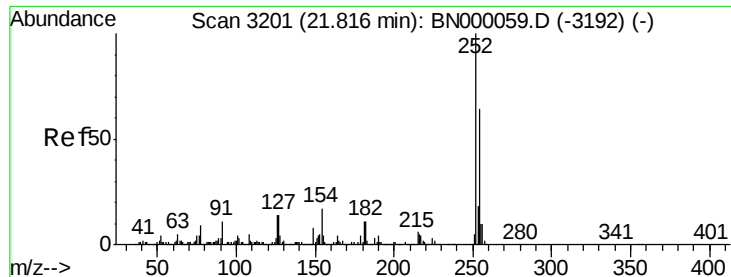
Ion Ratio Lower Upper

228 100

226 9.9 22.7 34.1#

229 25.2 16.2 24.2#

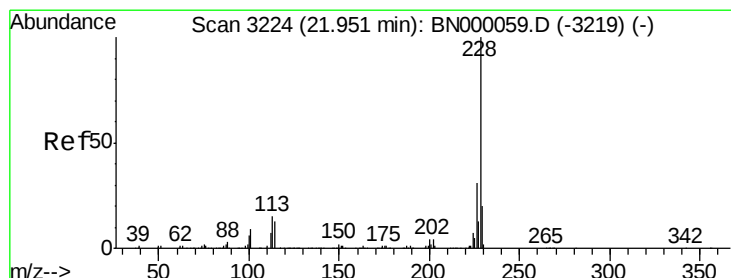
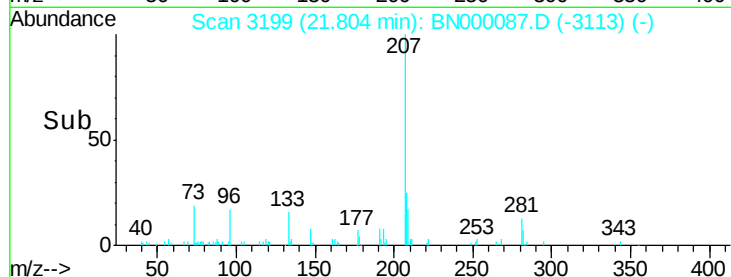
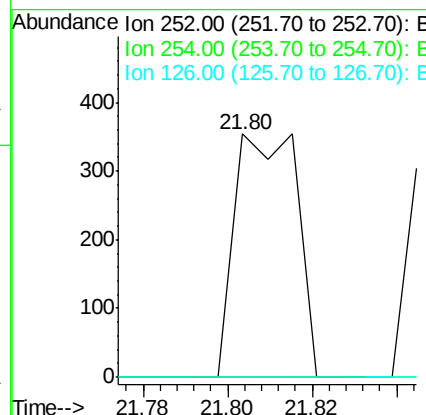
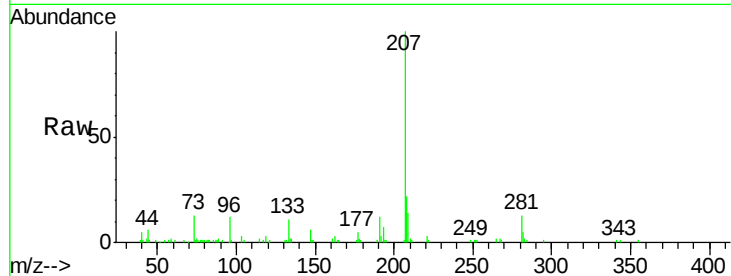




#81
 3,3'-Dichlorobenzidine
 Concen: 0.005 ng
 RT: 21.80 min Scan# 3199
 Delta R.T. -0.02 min
 Lab File: BN000087.D
 Acq: 15 Feb 2018 09:31

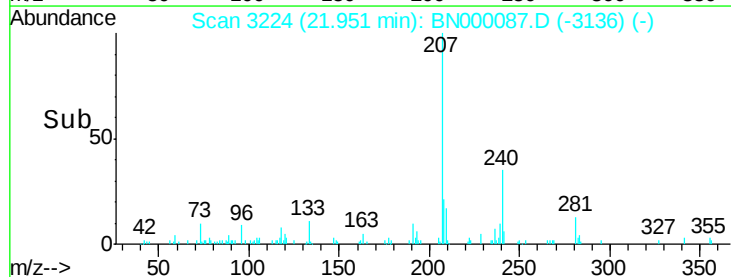
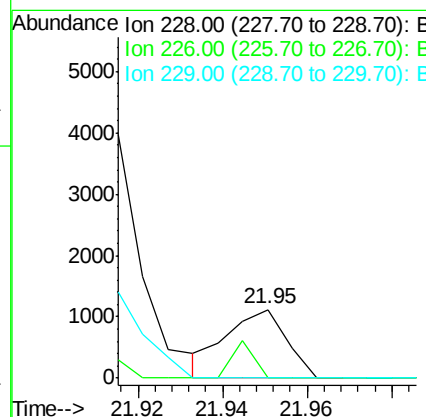
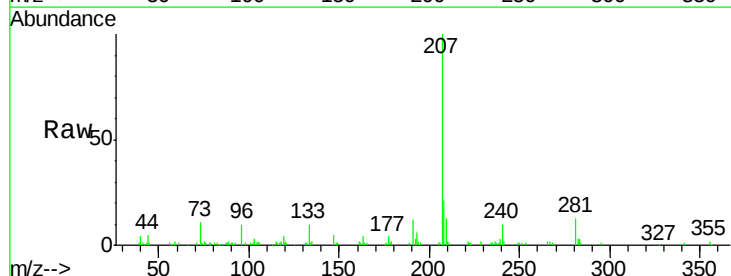
Instrument :
 BNA_N
 ClientSampleId :
 PB105903BL

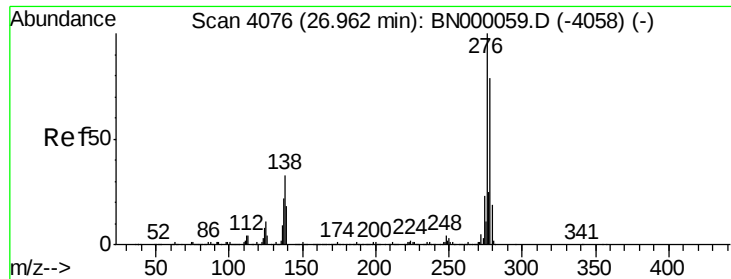
Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	50.8	76.2#
126	0.0	7.4	11.2#



#82
 Chrysene
 Concen: 0.005 ng
 RT: 21.95 min Scan# 3224
 Delta R.T. -0.01 min
 Lab File: BN000087.D
 Acq: 15 Feb 2018 09:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	0.0	15.0	22.4#

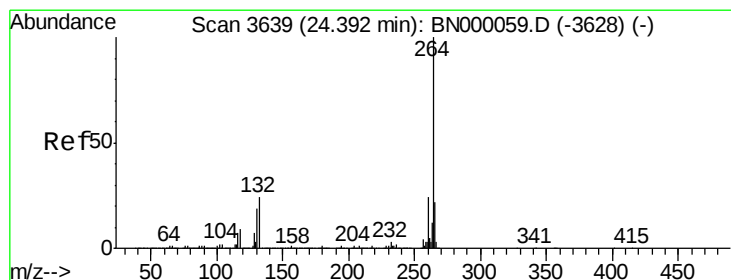
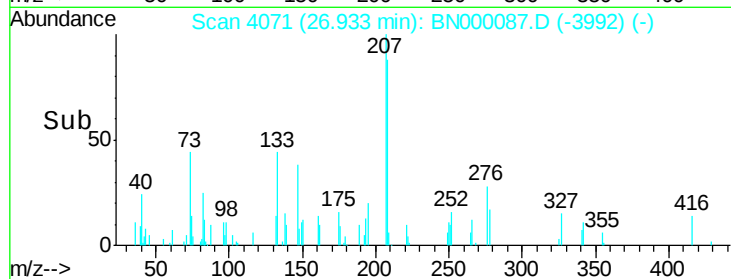
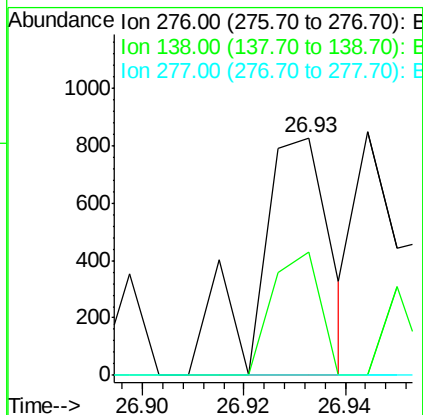
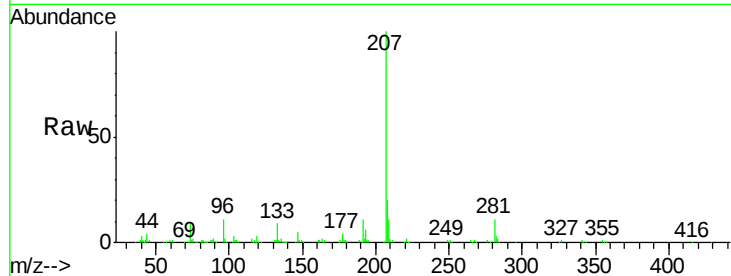




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.003 ng
RT: 26.93 min Scan# 4071
Delta R.T. -0.06 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

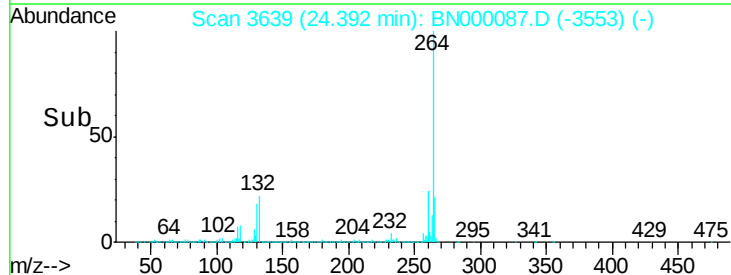
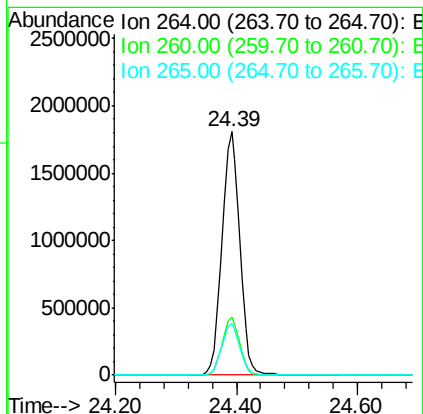
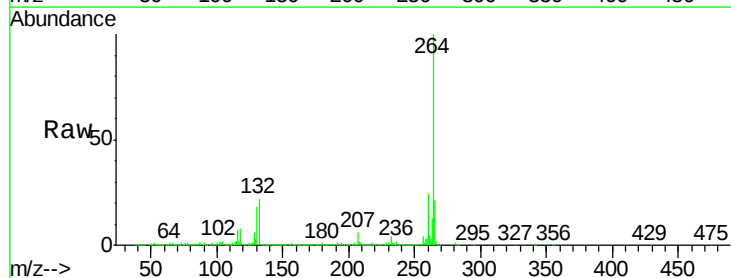
Instrument :
BNA_N
ClientSampled :
PB105903BL

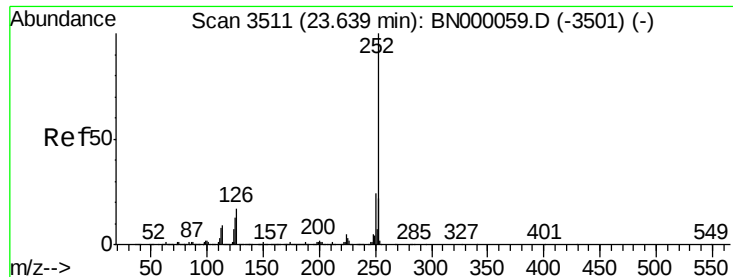
Tot Ion:276 Resp: 827
Ion Ratio Lower Upper
276 100
138 33.7 16.0 24.0#
277 0.0 20.0 30.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3639
Delta R.T. -0.02 min
Lab File: BN000087.D
Acq: 15 Feb 2018 09:31

Tgt Ion:264 Resp: 3708738
Ion Ratio Lower Upper
264 100
260 23.9 17.4 26.0
265 21.3 17.7 26.5





#87

Benzo(b)fluoranthene

Concen: 0.010 ng

RT: 23.63 min Scan# 3510

Delta R.T. -0.02 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

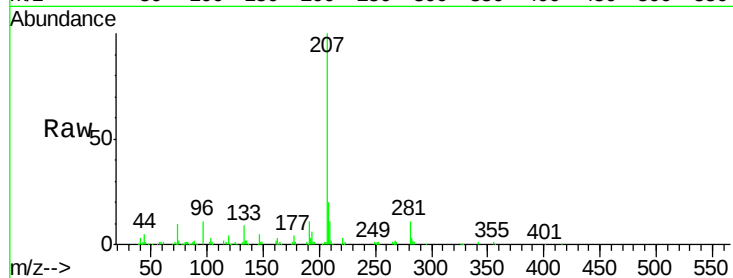
Tot Ion:252 Resp: 2155

Ion Ratio Lower Upper

252 100

253 48.4 18.2 27.4#

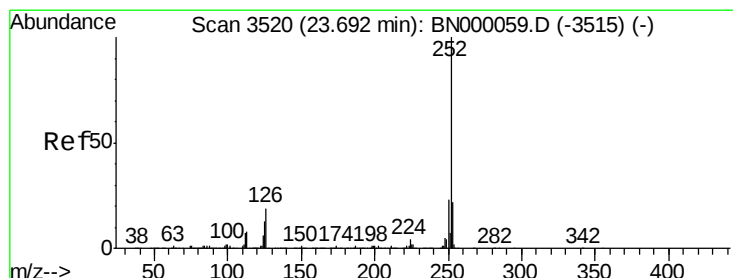
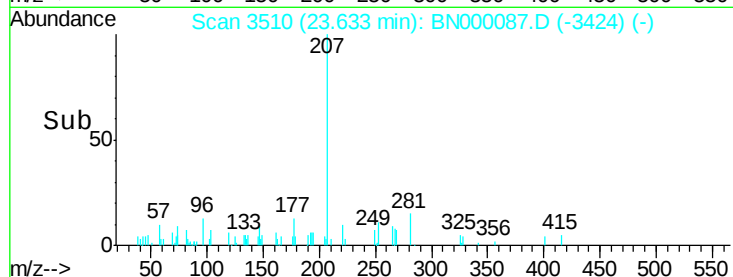
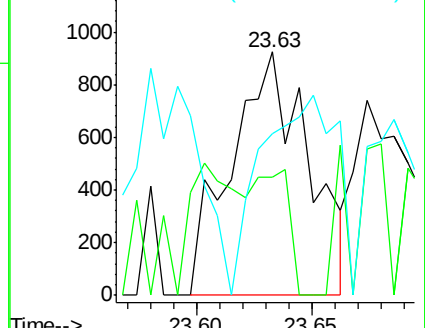
125 109.9 7.2 10.8#



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: 0.006 ng

RT: 23.67 min Scan# 3517

Delta R.T. -0.04 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

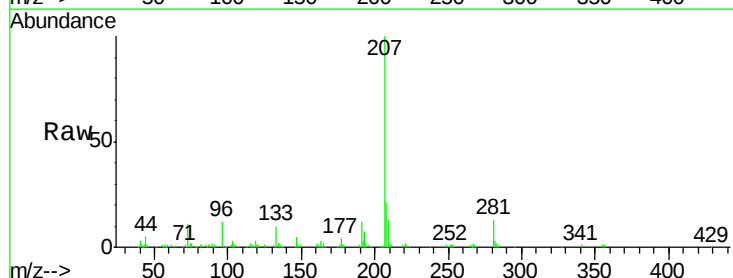
Tgt Ion:252 Resp: 1304

Ion Ratio Lower Upper

252 100

253 75.5 17.4 26.2#

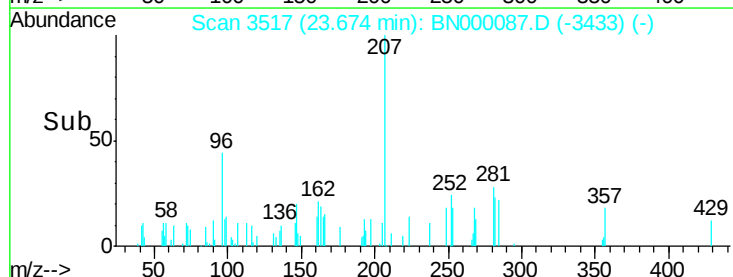
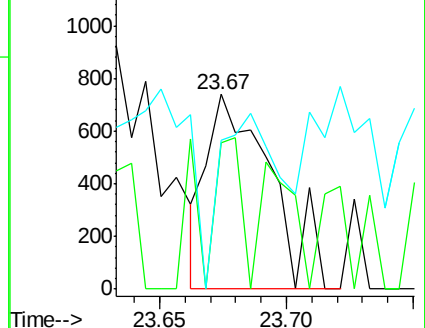
125 76.6 6.6 9.8#

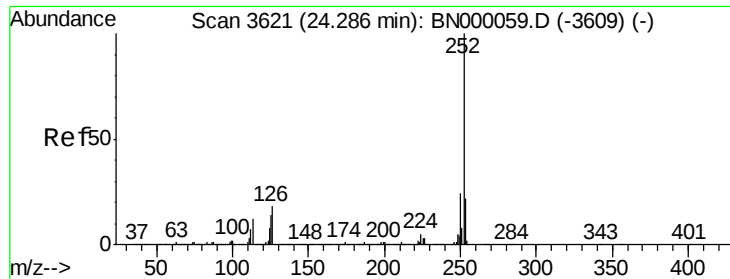


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.002 ng

RT: 24.31 min Scan# 3625

Delta R.T. -0.00 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

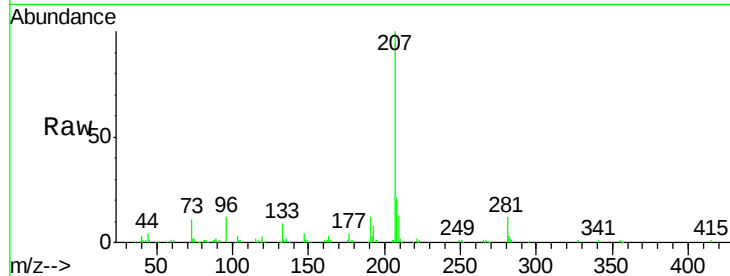
Tot Ion:252 Resp: 502

Ion Ratio Lower Upper

252 100

253 0.0 18.3 27.5#

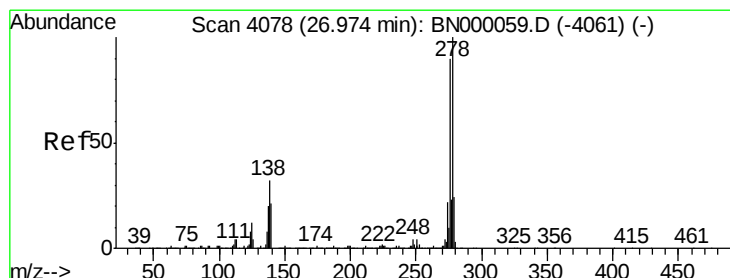
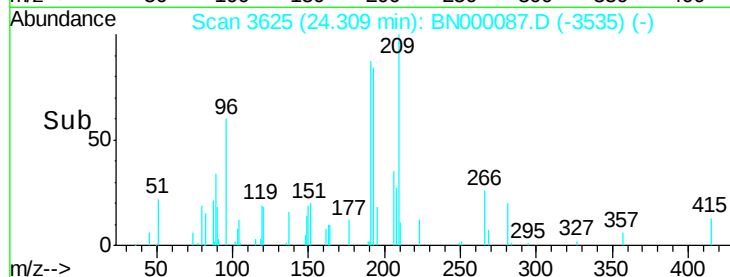
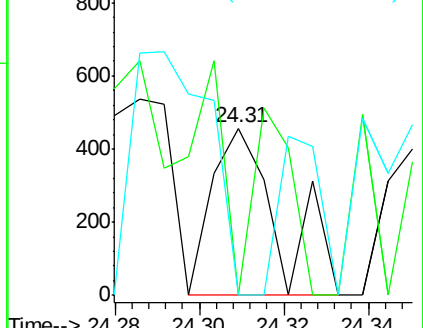
125 0.0 7.3 10.9#



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: 0.003 ng

RT: 26.97 min Scan# 4078

Delta R.T. -0.04 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

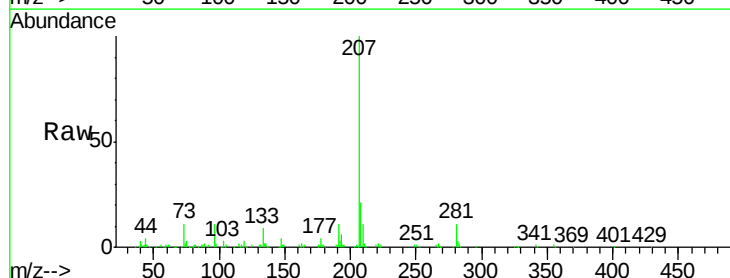
Tgt Ion:278 Resp: 626

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.6#

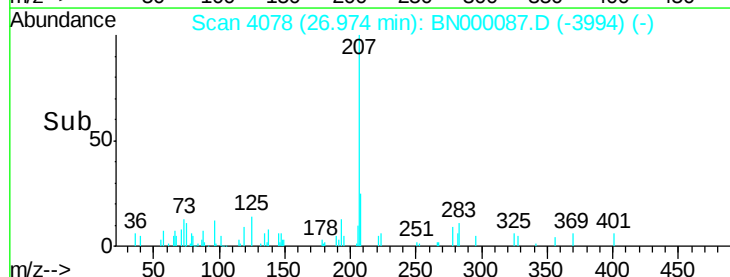
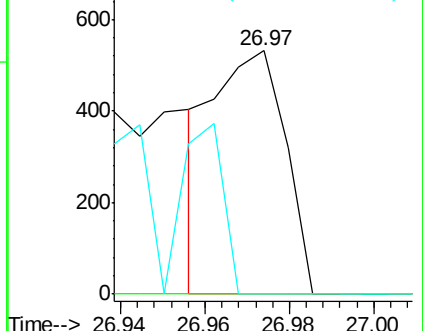
279 0.0 18.4 27.6#

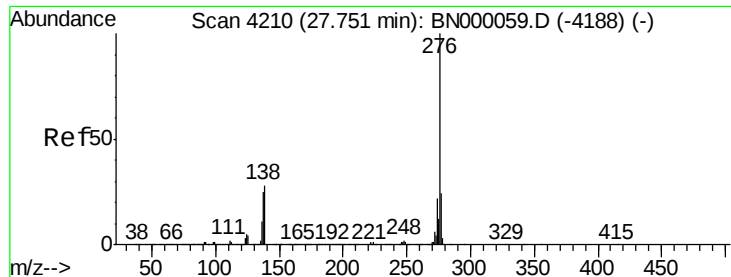


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.005 ng

RT: 27.72 min Scan# 4205

Delta R.T. -0.06 min

Lab File: BN000087.D

Acq: 15 Feb 2018 09:31

Instrument :

BNA_N

ClientSampleId :

PB105903BL

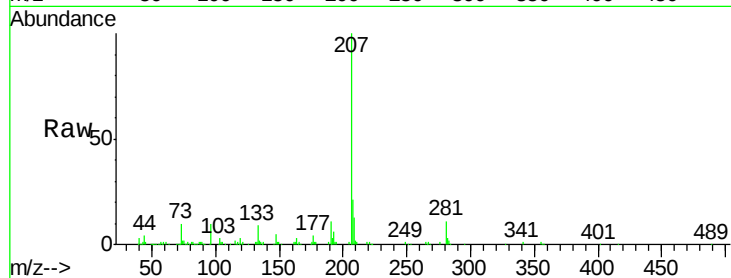
Tot Ion: 276 Resp: 1009

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

