

Data Path : Z:\HPCHEM1\BNA N\DATA\BN020718\
 Data File : BN000042.D
 Acq On : 07 Feb 2018 19:15
 Operator : JU/SJ
 Sample : PB106326BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 08 04:24:26 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	335268	20.00	ng	0.00
21) Naphthalene-d8	11.31	136	1605851	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	983427	20.00	ng	0.00
63) Phenanthrene-d10	17.80	188	2419567	20.00	ng	0.00
75) Chrysene-d12	21.93	240	2674145	20.00	ng	0.00
86) Perylene-d12	24.43	264	2862972	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.94	112	3336986	162.21	ng	0.00
7) Phenol-d6	7.59	99	4712355	151.23	ng	0.00
23) Nitrobenzene-d5	9.65	82	2388347	88.43	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	1315951	135.19	ng	0.00
44) 2-Fluorobiphenyl	13.71	172	6283359	90.05	ng	0.00
78) Terphenyl-d14	20.37	244	9916636	100.13	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	421	0.05	ng	# 1
3) Pyridine	4.09	79	131	0.01	ng	# 1
4) n-Nitrosodimethylamine	4.01	42	1133	0.16	ng	# 1
6) Aniline	7.98	93	5720	0.13	ng	# 1
8) 2-Chlorophenol	8.00	128	755	0.03	ng	# 1
9) Benzaldehyde	7.59	77	7834	0.40	ng	# 5
10) Phenol	7.59	94	1275	0.04	ng	# 1
11) bis(2-Chloroethyl)ether	7.98	93	5720	0.21	ng	# 1
12) 1,3-Dichlorobenzene	8.80	146	115	0.00	ng	# 1
13) 1,4-Dichlorobenzene	8.80	146	115	0.00	ng	# 1
14) 1,2-Dichlorobenzene	8.80	146	115	0.00	ng	# 1
15) Benzyl Alcohol	8.79	79	42382	1.89	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	8.85	45	113	0.00	ng	# 1
17) 2-Methylphenol	8.78	107	725	0.03	ng	# 1
19) n-Nitroso-di-n-propylamine	9.65	70	303118	14.52	ng	# 68
20) 3+4-Methylphenols	8.78	107	725	0.02	ng	# 1
22) Acetophenone	9.30	105	134	0.00	ng	# 35
24) Nitrobenzene	9.65	77	9724	0.33	ng	# 45
25) Isophorone	10.17	82	120	0.00	ng	# 69
27) 2,4-Dimethylphenol	10.48	122	3467	0.14	ng	# 1
32) Benzoic acid	10.59	122	126	10.55	ng	# 74
45) 1,1'-Biphenyl	13.92	154	14841	0.17	ng	# 95
47) 2-Nitroaniline	13.70	65	10242	5.36	ng	# 1
50) 2,6-Dinitrotoluene	15.07	165	128384	7.56	ng	# 20
51) Acenaphthene	15.08	154	3997	0.06	ng	# 5
56) 2,4-Dinitrotoluene	15.07	165	128384	9.01	ng	# 18
57) Fluorene	16.55	166	82006	1.04	ng	# 87
59) Diethylphthalate	15.86	149	442	0.01	ng	# 58
62) Azobenzene	16.38	77	545	0.01	ng	# 47
64) 4,6-Dinitro-2-methylphenol	16.55	198	4866	9.05	ng	# 1
65) n-Nitrosodiphenylamine	16.55	169	55420	0.70	ng	# 44
66) 4-Bromophenyl-phenylether	16.55	248	95460	4.15	ng	# 1
70) Phenanthrene	17.84	178	848	0.01	ng	# 60
71) Anthracene	17.93	178	133	0.00	ng	# 59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

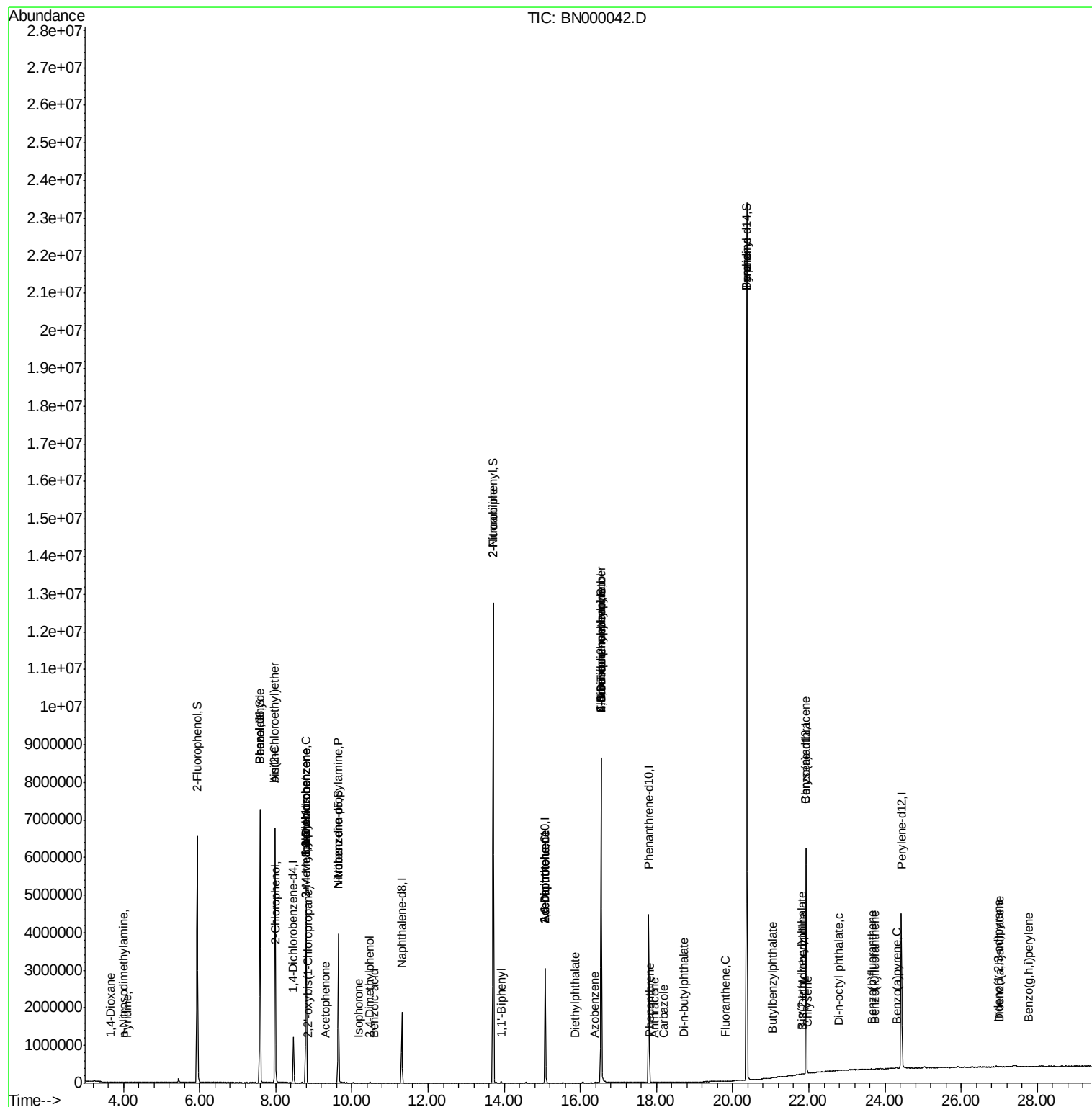
72) Carbazole	18.19	167	150	0.00	nq	# 59
73) Di-n-butylphthalate	18.72	149	1065	0.01	nq	# 59
74) Fluoranthene	19.82	202	421	0.00	nq	# 65
76) Benzidine	20.37	184	170242	2.00	nq	# 94
77) Pyrene	20.37	202	38219	0.22	nq	# 74
79) Butylbenzylphthalate	21.06	149	1120	5.39	nq	# 62
80) Benzo(a)anthracene	21.93	228	7507	0.05	nq	# 76
81) 3,3'-Dichlorobenzidine	21.83	252	575	0.01	nq	# 26
82) Chrysene	21.97	228	999	0.01	nq	# 49
83) Bis(2-ethylhexyl)phthalate	21.81	149	961	2.91	nq	# 50
84) Di-n-octyl phthalate	22.80	149	333	6.73	nq	# 1
85) Indeno(1,2,3-cd)pyrene	26.97	276	126	0.00	nq	# 53
87) Benzo(b)fluoranthene	23.65	252	1079	0.01	nq	# 1
88) Benzo(k)fluoranthene	23.72	252	514	0.00	nq	# 1
89) Benzo(a)pyrene	24.32	252	698	0.00	nq	# 2
90) Dibenzo(a,h)anthracene	27.00	278	119	0.00	nq	# 58
91) Benzo(g,h,i)perylene	27.78	276	671	0.00	nq	# 56

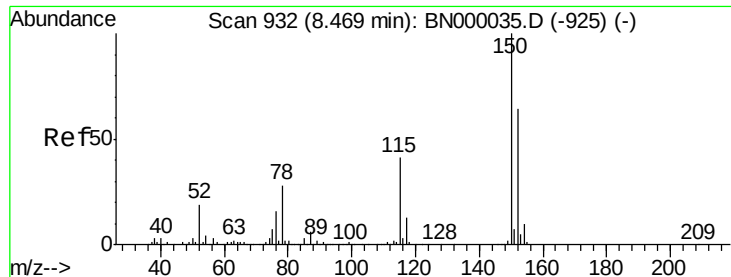
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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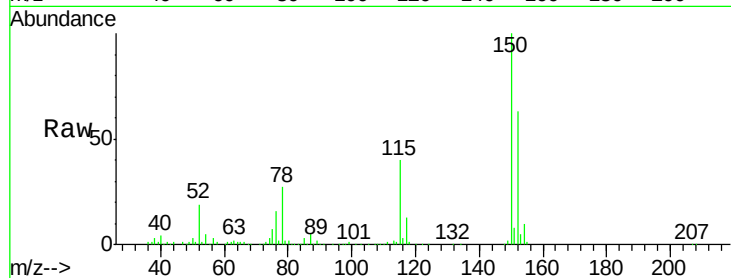


#1

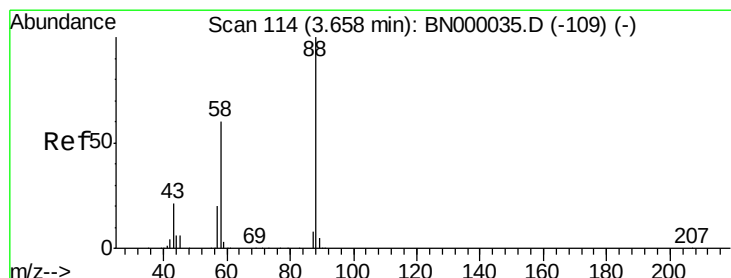
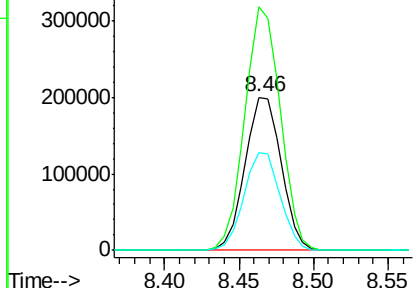
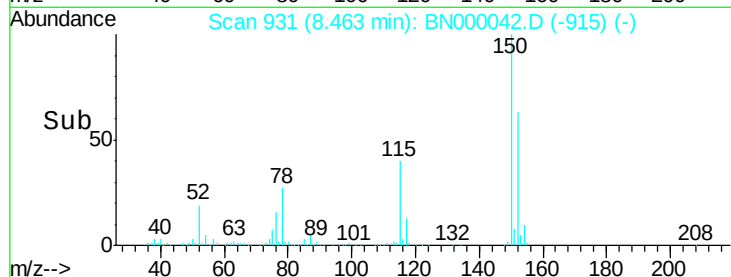
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.6	189.8
115	64.2	53.0	79.4



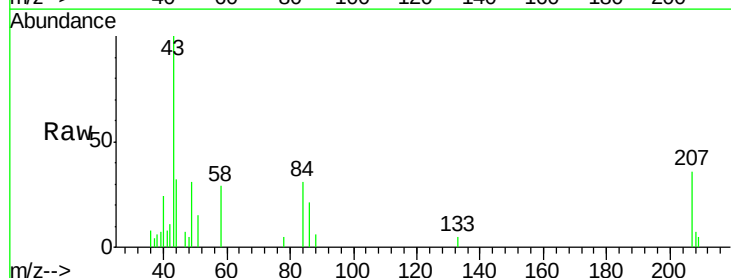
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



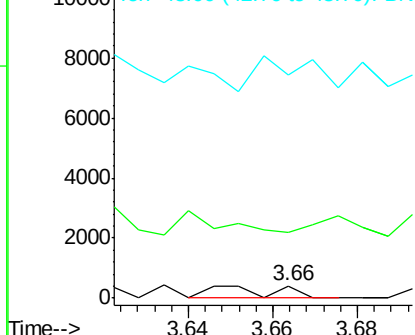
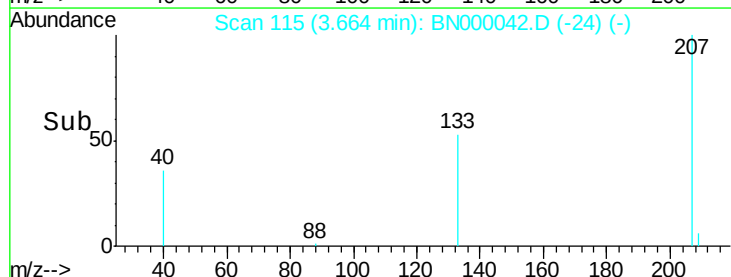
#2

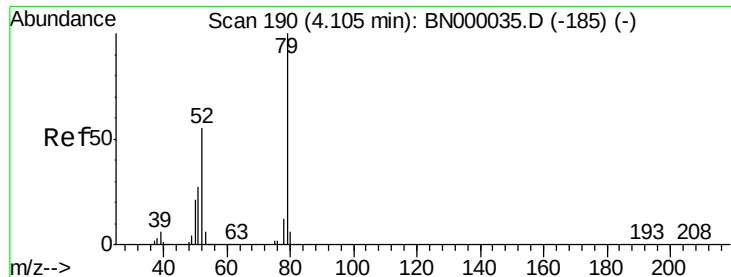
1,4-Dioxane
Concen: 0.05 ng
RT: 3.66 min Scan# 115
Delta R.T. 0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	119.5	52.0	78.0#
43	248.5	20.0	30.0#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

Pvridine

Concen: 0.01 ng

RT: 4.09 min Scan# 188

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

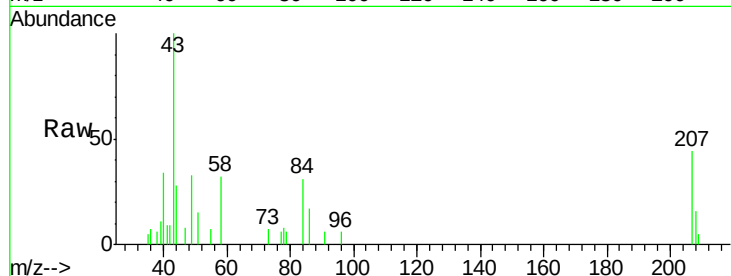
Tot Ion: 79 Resp: 131

Ion Ratio Lower Upper

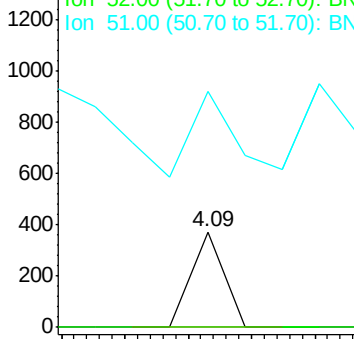
79 100

52 0.0 44.0 66.0#

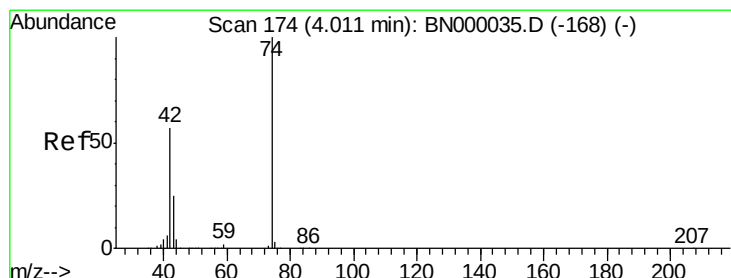
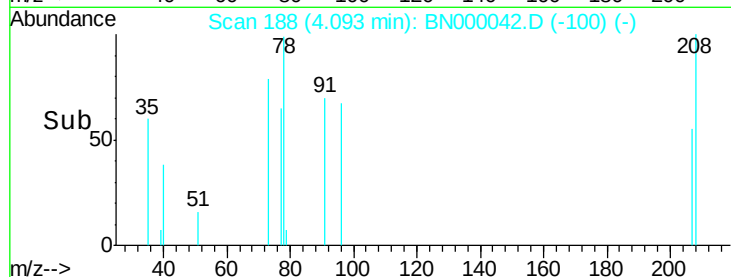
51 247.6 24.0 36.0#



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



Time--> 4.07 4.08 4.09 4.10 4.11



#4

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 4.01 min Scan# 174

Delta R.T. 0.00 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

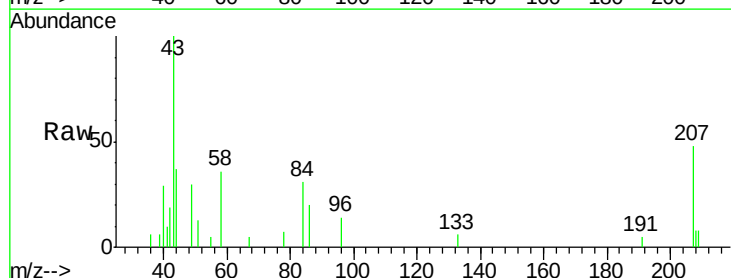
Tgt Ion: 42 Resp: 1133

Ion Ratio Lower Upper

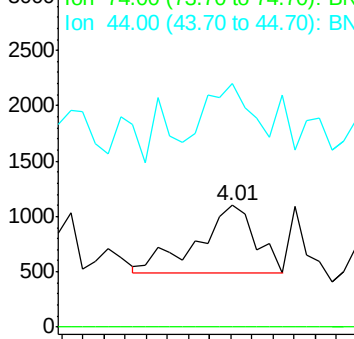
42 100

74 0.0 128.0 192.0#

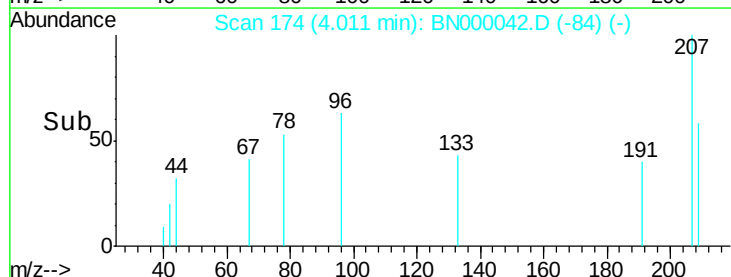
44 200.4 12.0 18.0#

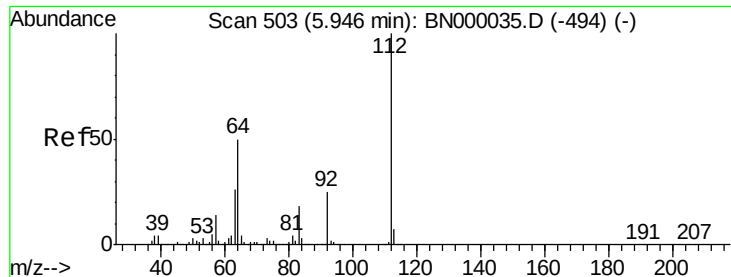


Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



Time--> 3.95 4.00 4.05





#5

2-Fluorophenol

Concen: 162.21 ng

RT: 5.94 min Scan# 502

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampled :

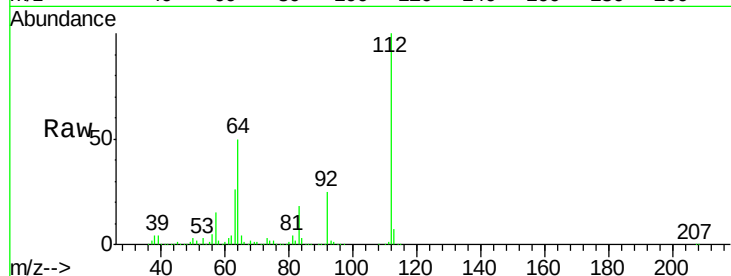
Tot Ion:112 Resp: 3336986

Ion Ratio Lower Upper

112 100

64 50.3 56.3 84.5#

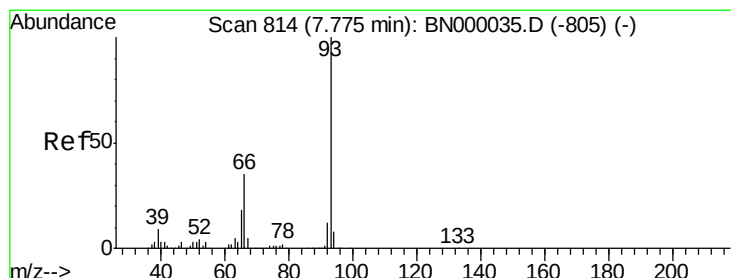
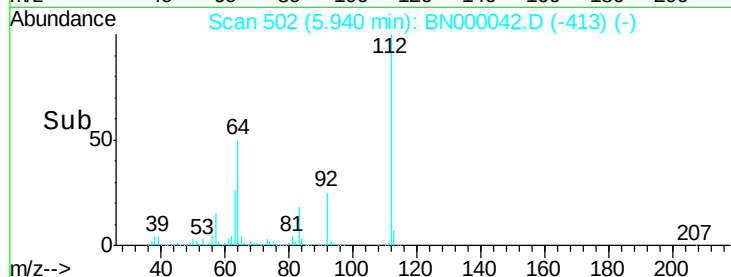
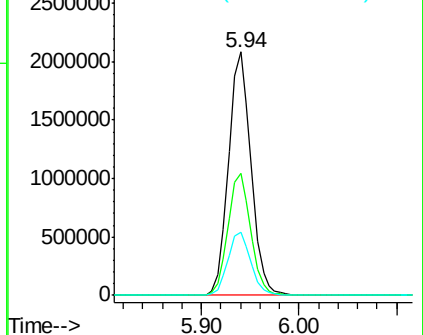
63 26.0 30.1 45.1#



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: 0.13 ng

RT: 7.98 min Scan# 849

Delta R.T. 0.21 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

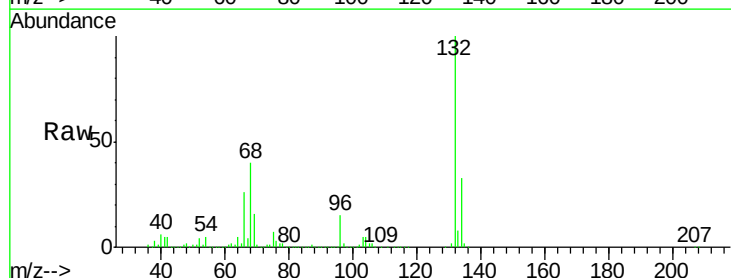
Tgt Ion: 93 Resp: 5720

Ion Ratio Lower Upper

93 100

66 14149.7 33.7 50.5#

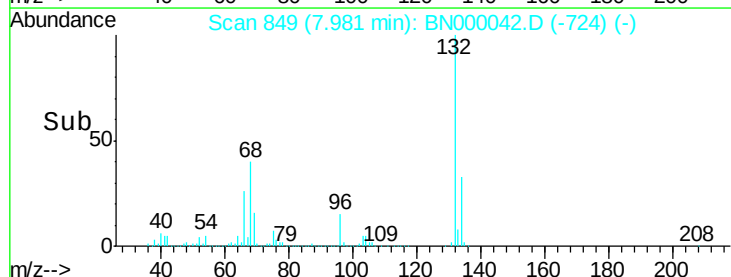
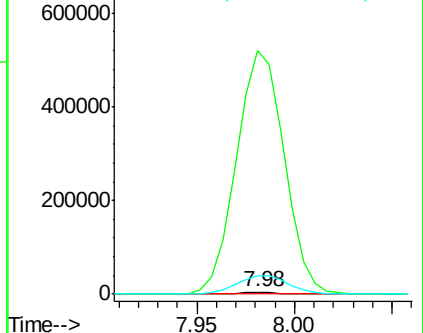
65 1085.2 16.1 24.1#

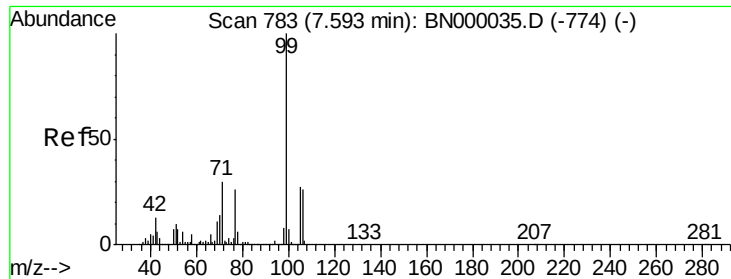


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 151.23 ng

RT: 7.59 min Scan# 782

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

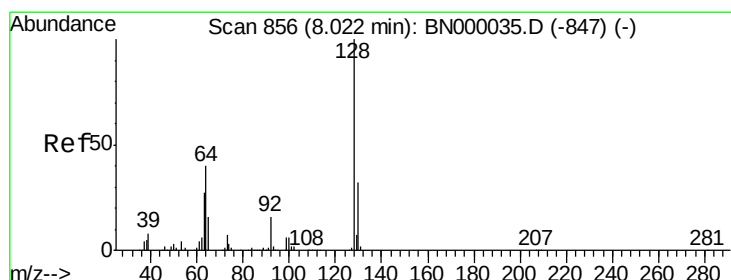
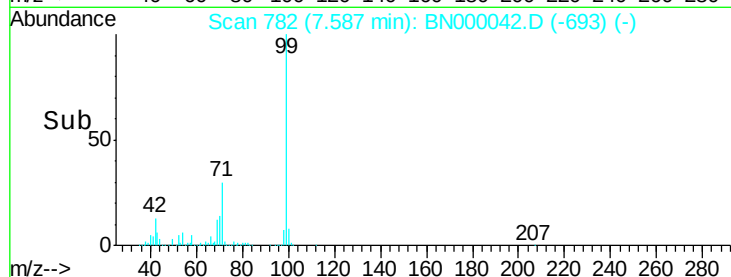
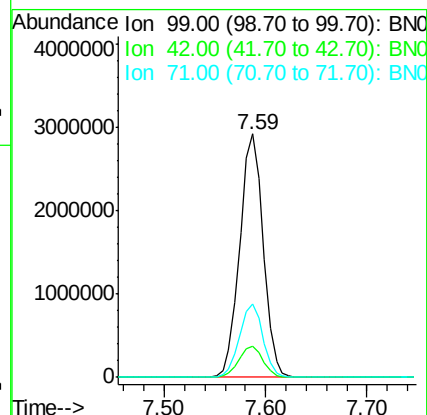
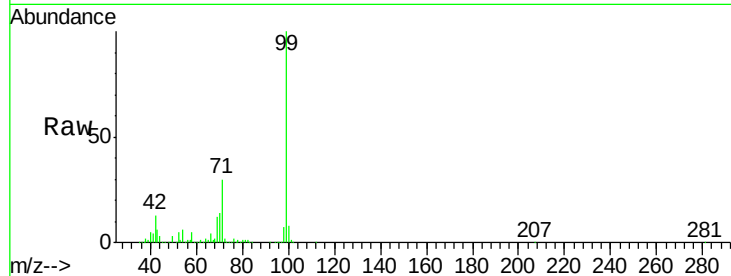
Tot Ion: 99 Resp: 4712355

Ion Ratio Lower Upper

99 100

42 12.7 14.1 21.1#

71 30.0 26.1 39.1



#8

2-Chlorophenol

Concen: 0.03 ng

RT: 8.00 min Scan# 853

Delta R.T. -0.02 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

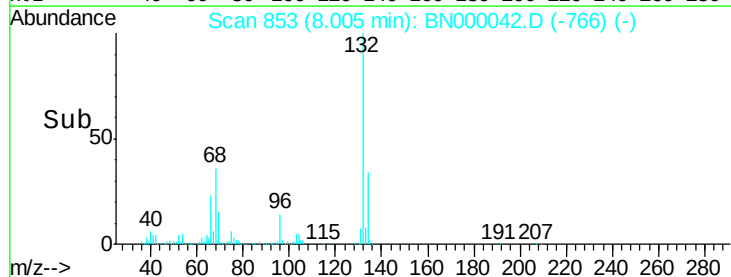
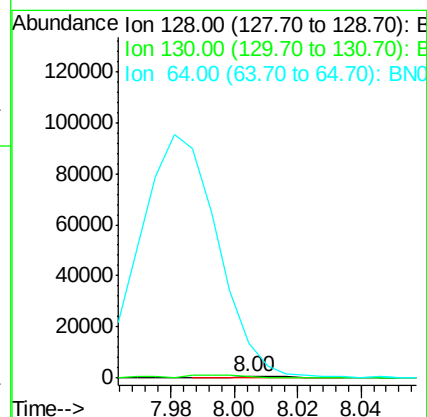
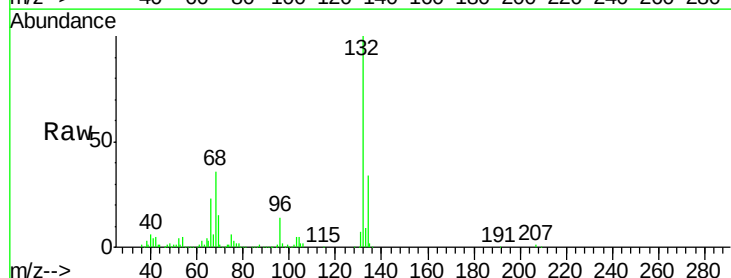
Tgt Ion:128 Resp: 755

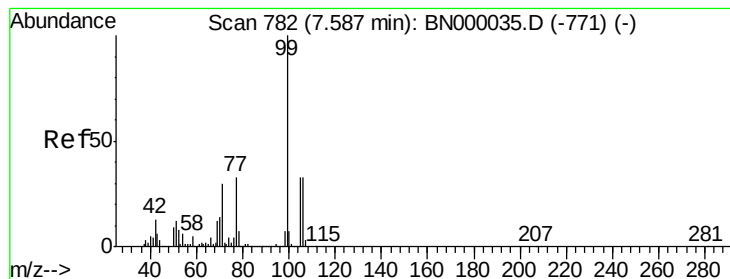
Ion Ratio Lower Upper

128 100

130 147.2 14.0 54.0#

64 2593.7 37.7 77.7#





#9

Benzaldehyde

Concen: 0.40 ng

RT: 7.59 min Scan# 783

Delta R.T. 0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

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ClientSampleId :

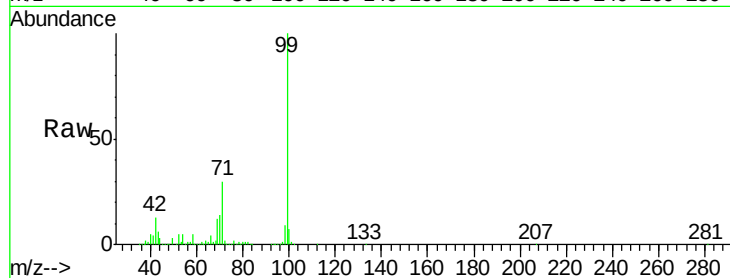
Tot Ion: 77 Resp: 7834

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

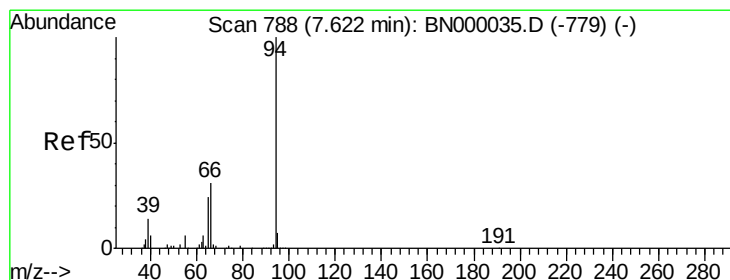
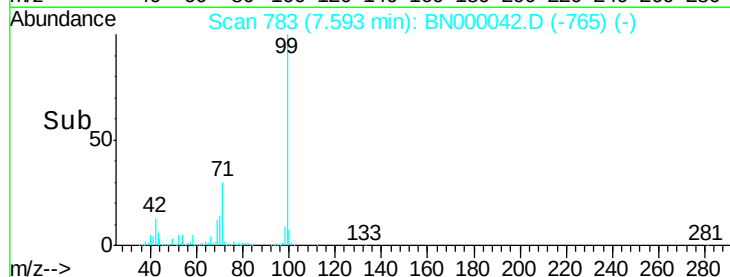
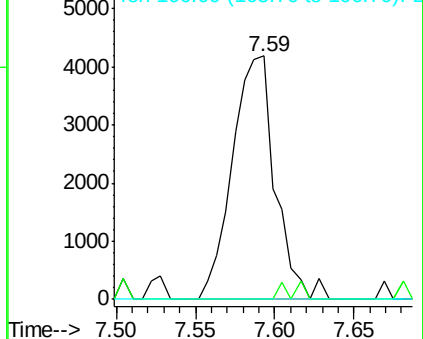
106 0.0 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#10

Phenol

Concen: 0.04 ng

RT: 7.59 min Scan# 783

Delta R.T. -0.03 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

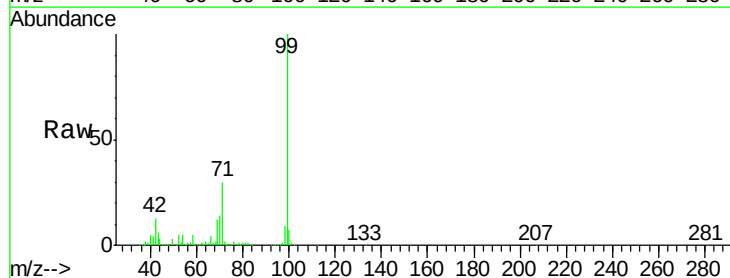
Tgt Ion: 94 Resp: 1275

Ion Ratio Lower Upper

94 100

65 2678.0 11.9 51.9#

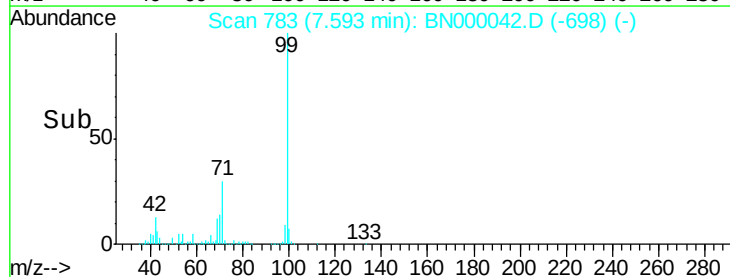
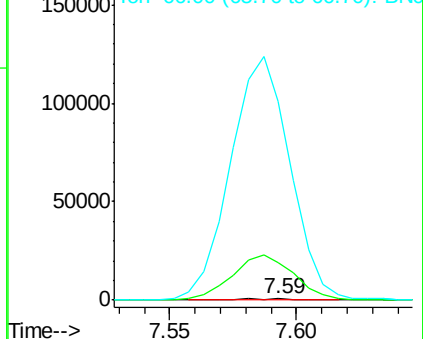
66 14285.9 22.2 62.2#

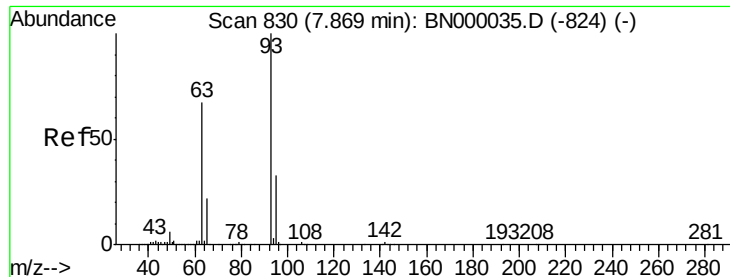


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC





#11

bis(2-Chloroethyl)ether

Concen: 0.21 ng

RT: 7.98 min Scan# 849

Delta R.T. 0.11 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

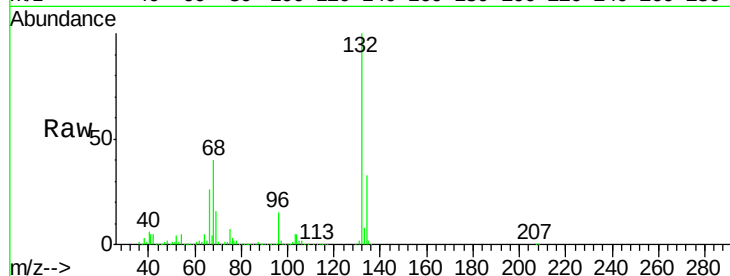
Tot Ion: 93 Resp: 5720

Ion Ratio Lower Upper

93 100

63 562.5 67.1 107.1#

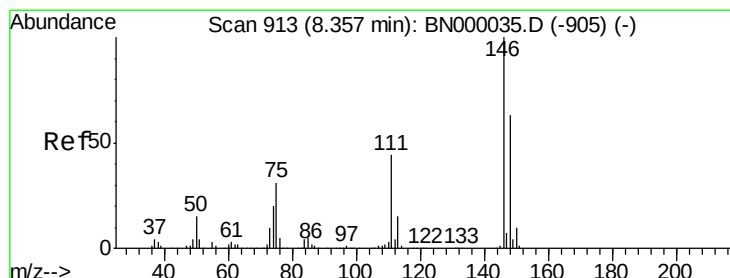
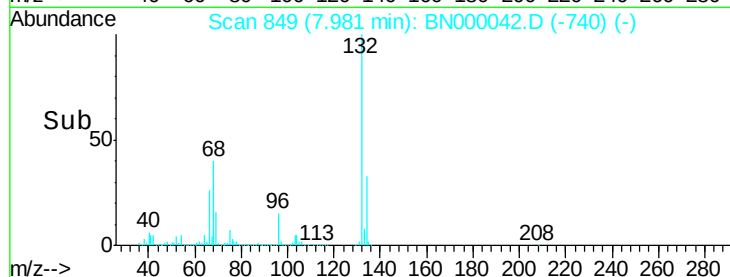
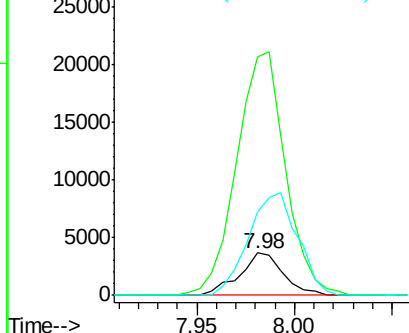
95 197.4 11.5 51.5#



Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC



#12

1,3-Dichlorobenzene

Concen: 0.00 ng

RT: 8.80 min Scan# 988

Delta R.T. 0.44 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

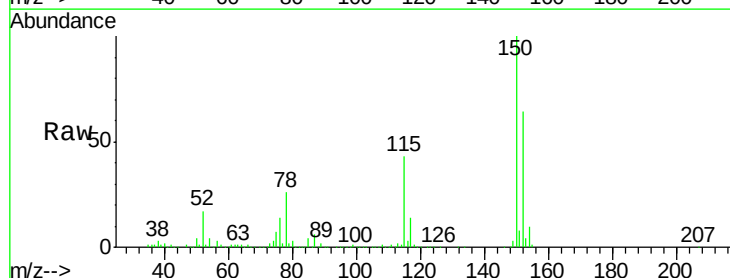
Tgt Ion: 146 Resp: 115

Ion Ratio Lower Upper

146 100

148 611.3 51.4 77.2#

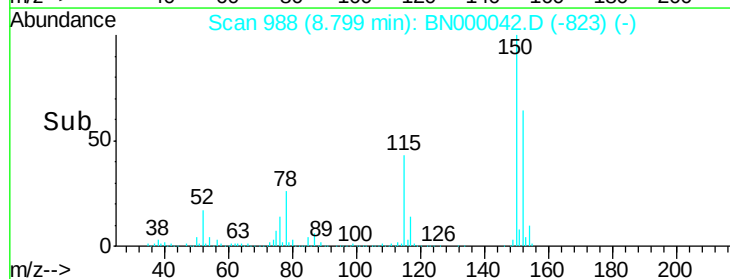
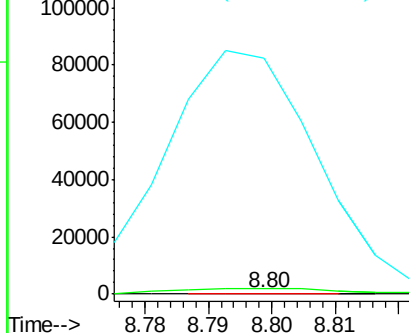
75 25201.2 26.6 39.8#

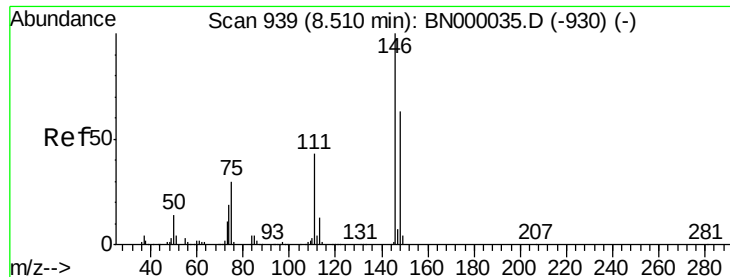


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BNC

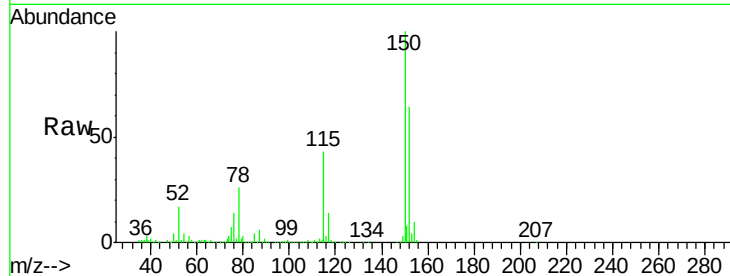




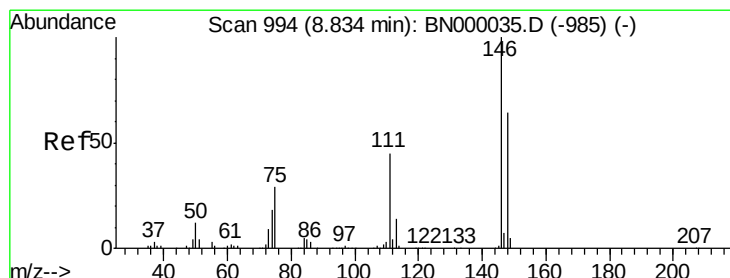
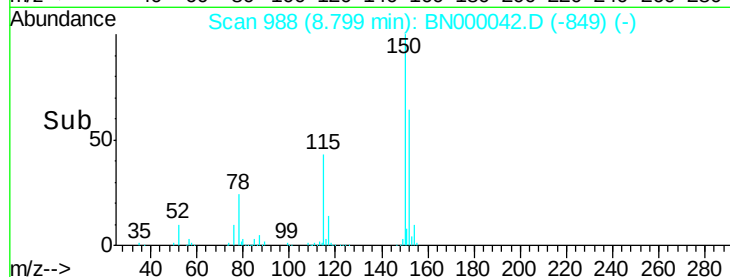
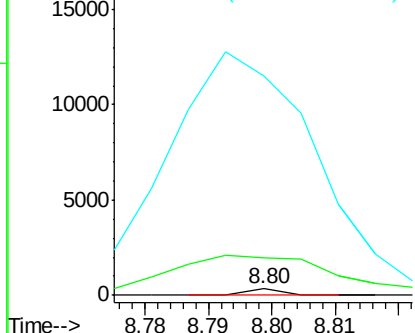
#13
1,4-Dichlorobenzene
Concen: 0.00 ng
RT: 8.80 min Scan# 988
Delta R.T. 0.29 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Instrument :
BNA_N
ClientSampleId :

Tot Ion:146 Resp: 115
Ion Ratio Lower Upper
146 100
148 611.3 53.7 80.5#
111 3511.6 35.2 52.8#

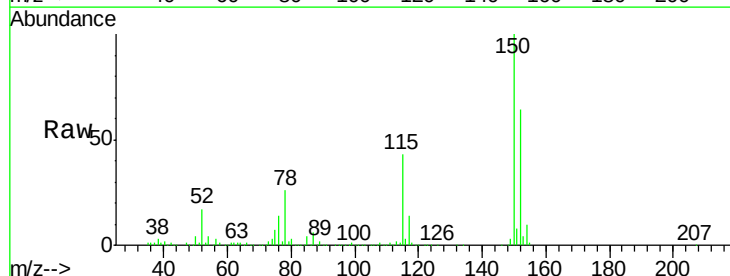


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

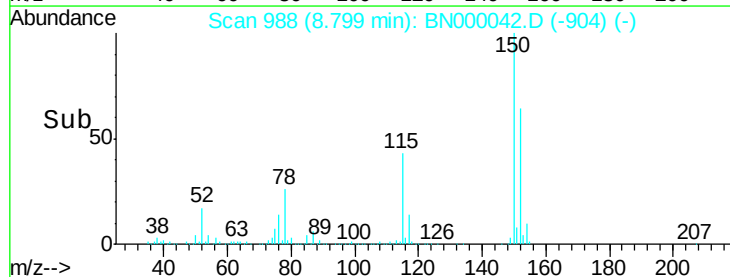
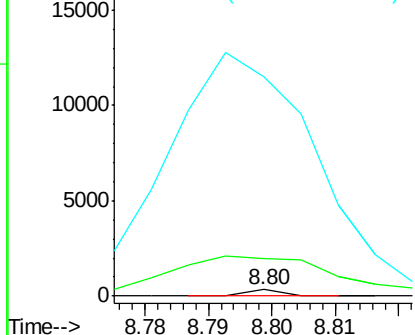


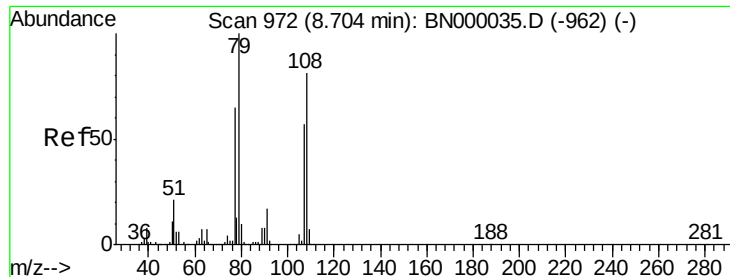
#14
1,2-Dichlorobenzene
Concen: 0.00 ng
RT: 8.80 min Scan# 988
Delta R.T. -0.04 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion:146 Resp: 115
Ion Ratio Lower Upper
146 100
148 611.3 49.3 73.9#
111 3511.6 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: 1.89 ng

RT: 8.79 min Scan# 987

Delta R.T. 0.09 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampled :

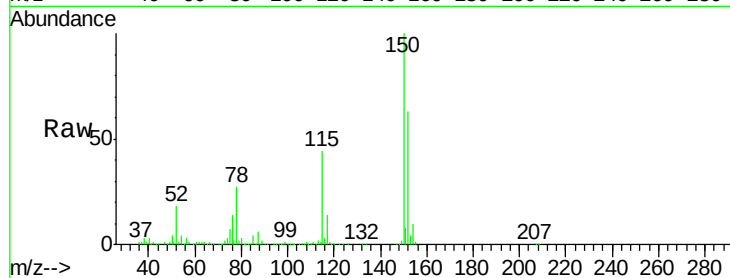
Tot Ion: 79 Resp: 42382

Ion Ratio Lower Upper

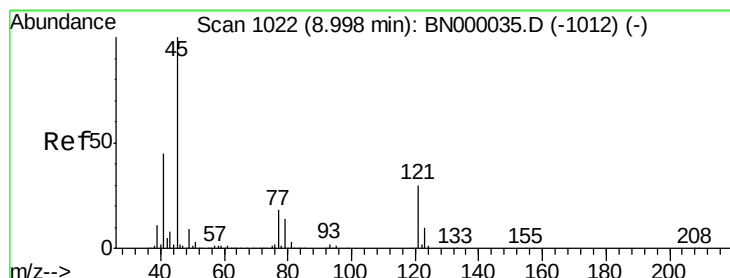
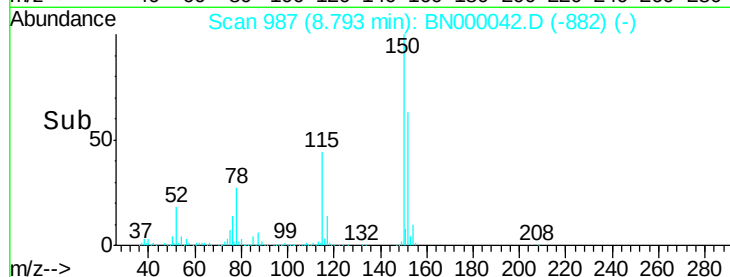
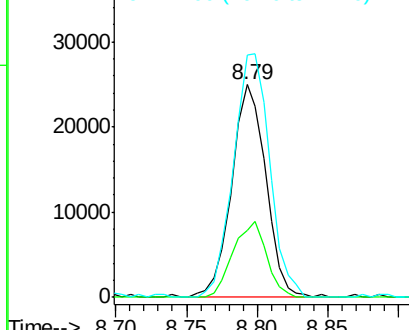
79 100

108 31.7 57.2 85.8#

77 114.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BN0
Ion 108.00 (107.70 to 108.70): BN0
Ion 77.00 (76.70 to 77.70): BN0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.00 ng

RT: 8.85 min Scan# 996

Delta R.T. -0.15 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

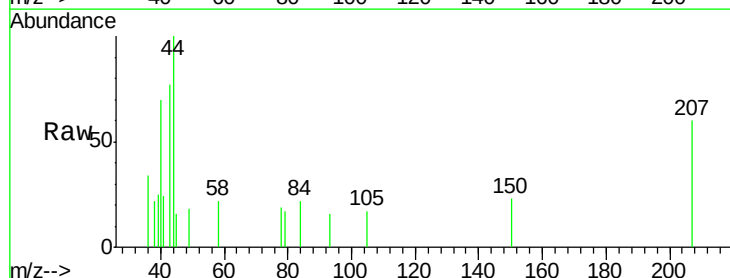
Tgt Ion: 45 Resp: 113

Ion Ratio Lower Upper

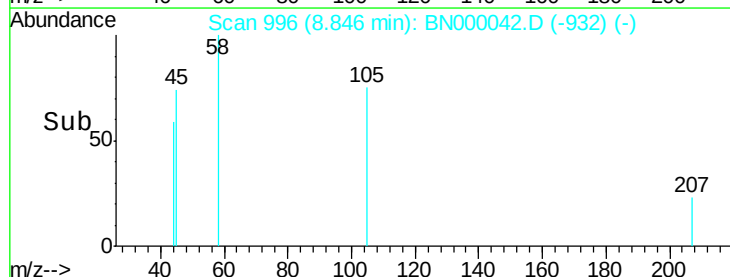
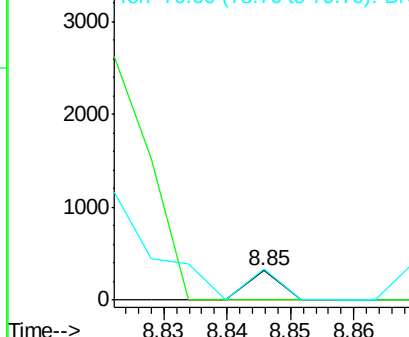
45 100

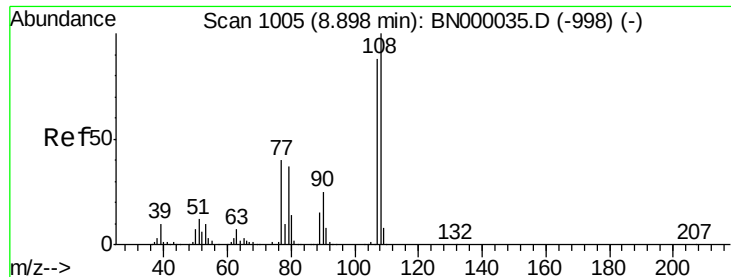
77 0.0 0.0 30.2

79 106.3 0.0 27.9#



Abundance Ion 45.00 (44.70 to 45.70): BN0
Ion 77.00 (76.70 to 77.70): BN0
Ion 79.00 (78.70 to 79.70): BN0

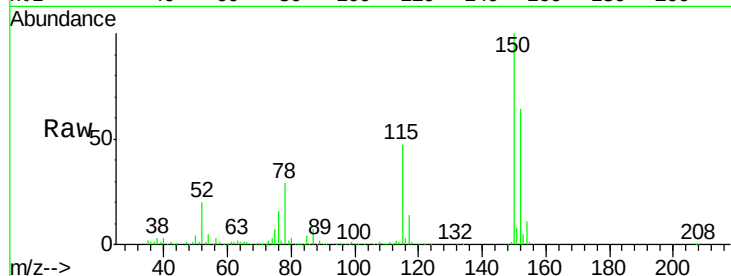




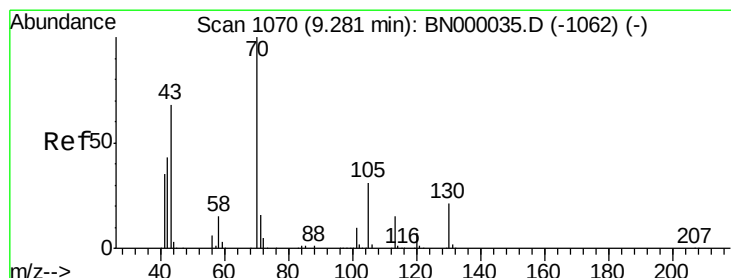
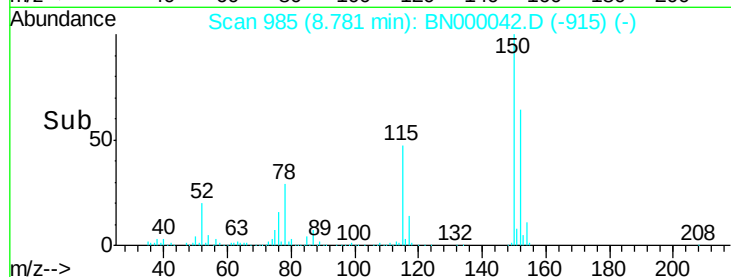
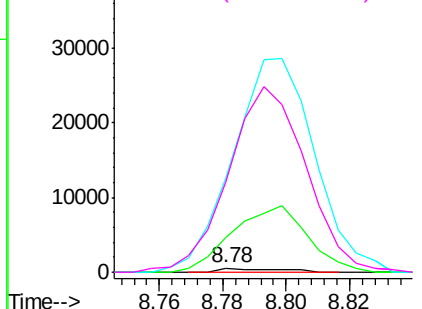
#17
2-Methylphenol
Concen: 0.03 ng
RT: 8.78 min Scan# 985
Delta R.T. -0.12 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Instrument :
BNA_N
ClientSampleId :

Tot Ion:107 Resp: 725
Ion Ratio Lower Upper
107 100
108 829.4 83.9 125.9#
77 2237.8 37.2 55.8#
79 2131.2 36.2 54.2#

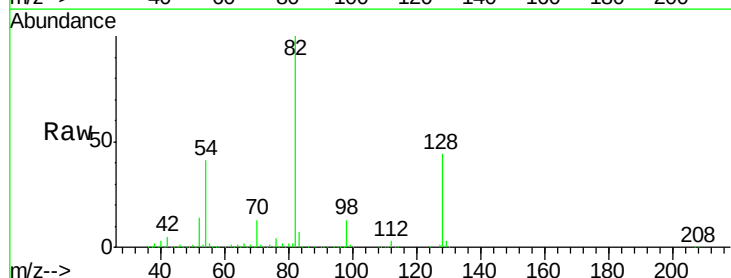


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

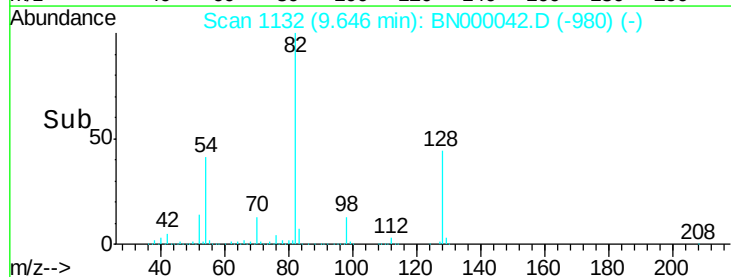
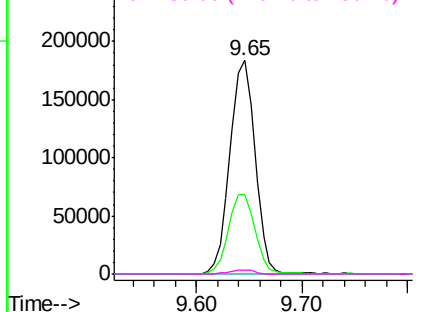


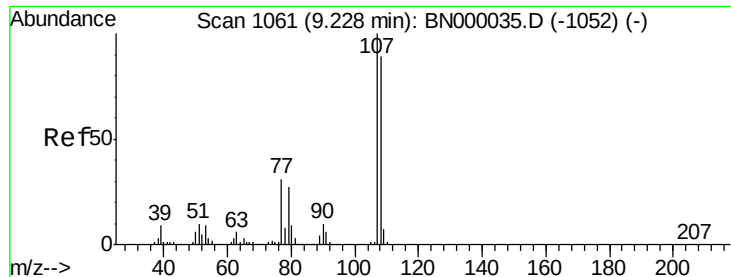
#19
n-Nitroso-di-n-propylamine
Concen: 14.52 ng
RT: 9.65 min Scan# 1132
Delta R.T. 0.36 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion: 70 Resp: 303118
Ion Ratio Lower Upper
70 100
42 37.2 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 0.02 ng

RT: 8.78 min Scan# 985

Delta R.T. -0.45 min

Lab File: BN000042.D

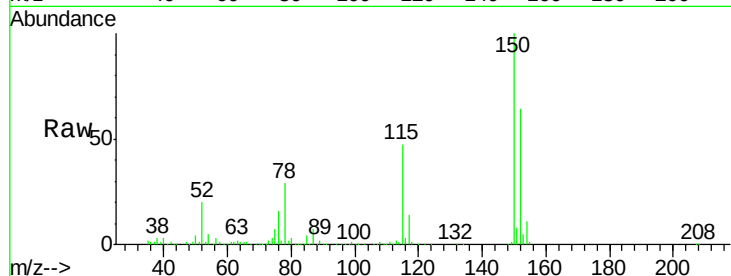
Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

Tot Ion:107	Resp:	725
Ion Ratio	Lower	Upper
107	100	
108	829.4	61.6 101.6#
77	2237.8	13.9 53.9#
79	2131.2	8.8 48.8#

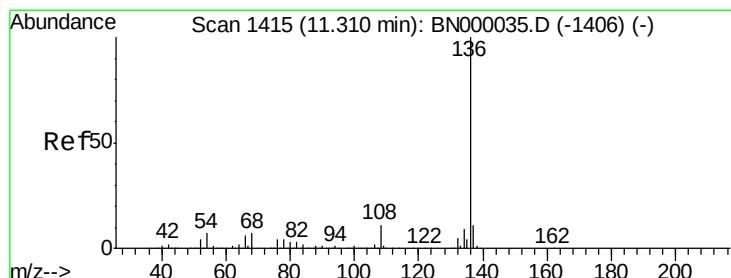
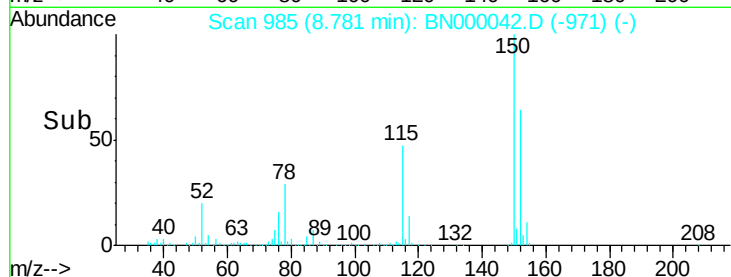
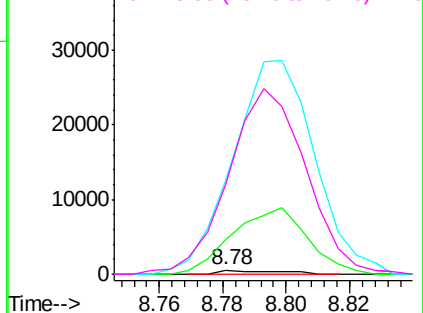


Abundance Ion 107.00 (106.70 to 107.70): E

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: 20.00 ng

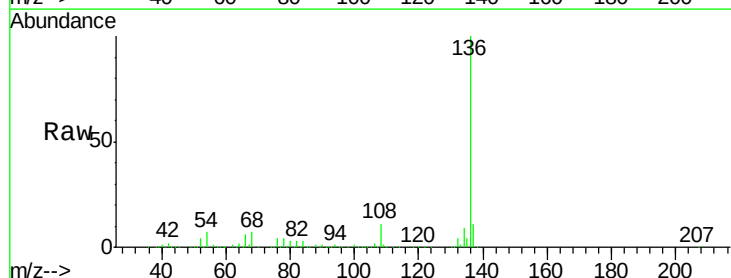
RT: 11.31 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Tgt Ion:136	Resp:	1605851
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	6.9	10.3 15.5#
68	6.5	4.5 6.7

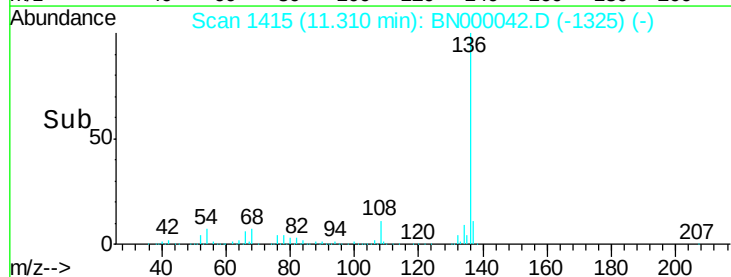
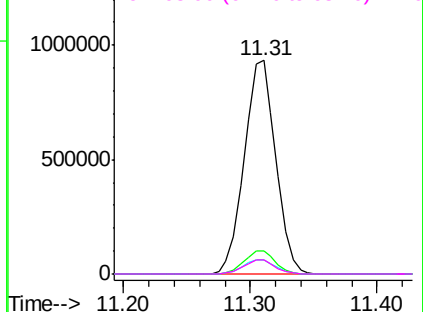


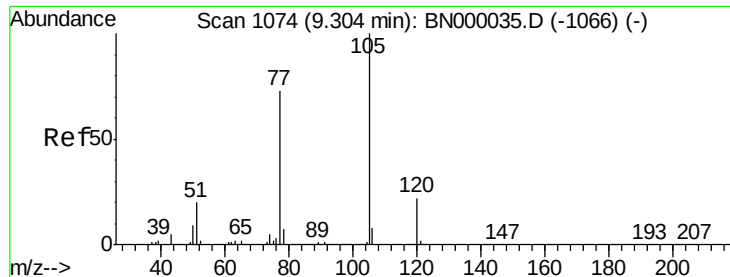
Abundance Ion 136.00 (135.70 to 136.70): E

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

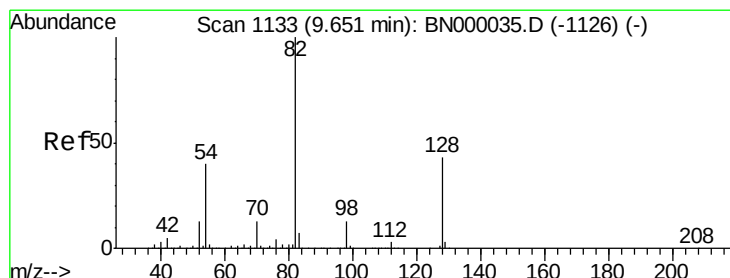
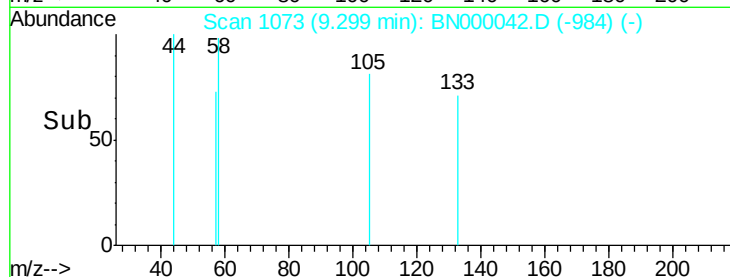
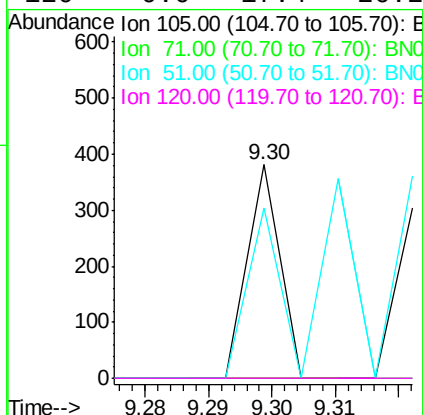
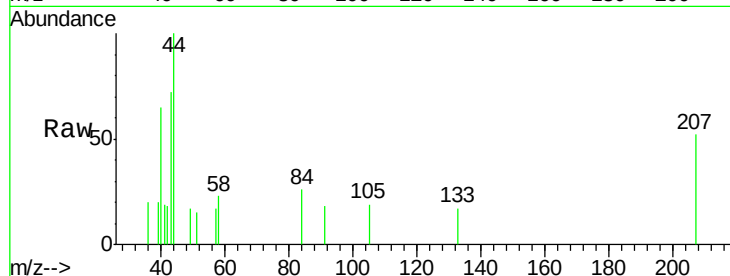




#22
Acetophenone
Concen: 0.00 ng
RT: 9.30 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

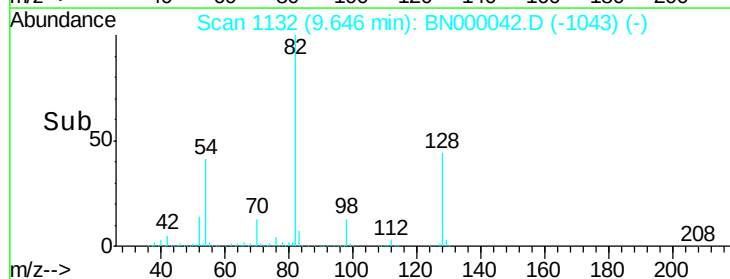
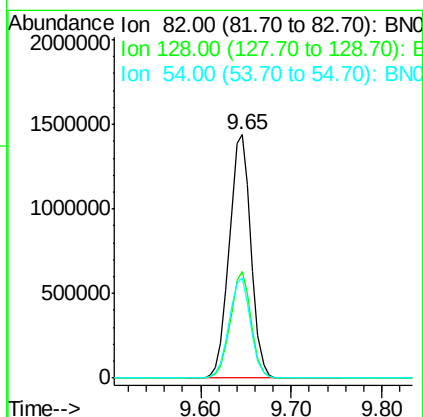
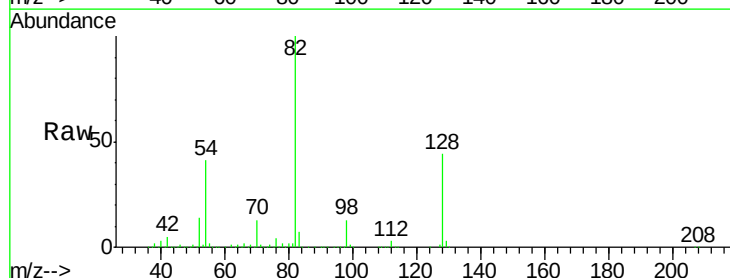
Instrument :
BNA_N
ClientSampleId :

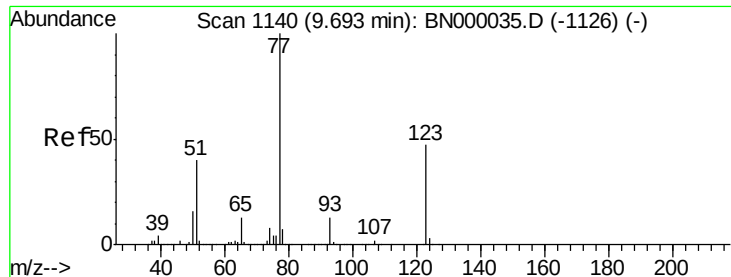
Tot Ion:105 Resp: 134
Ion Ratio Lower Upper
105 100
71 0.0 3.0 4.4#
51 79.8 26.1 39.1#
120 0.0 17.4 26.2#



#23
Nitrobenzene-d5
Concen: 88.43 ng
RT: 9.65 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion: 82 Resp: 2388347
Ion Ratio Lower Upper
82 100
128 43.6 29.7 44.5
54 41.1 43.1 64.7#





#24

Nitrobenzene

Concen: 0.33 ng

RT: 9.65 min Scan# 1132

Delta R.T. -0.05 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

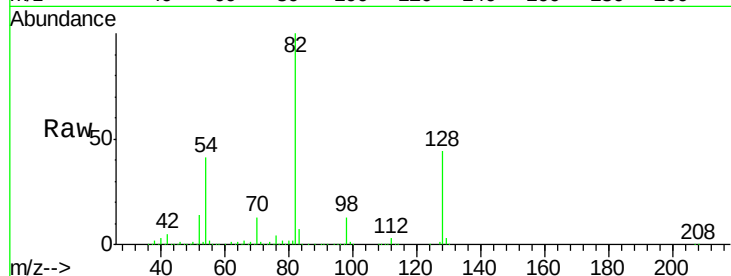
Tot Ion: 77 Resp: 9724

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

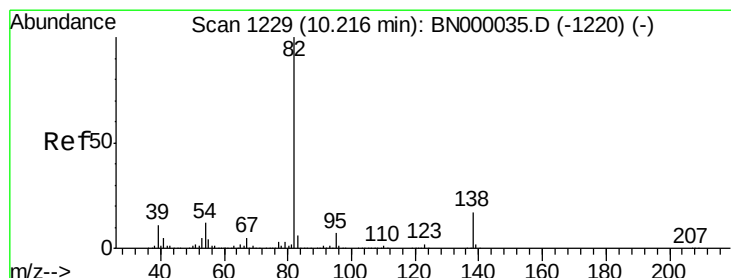
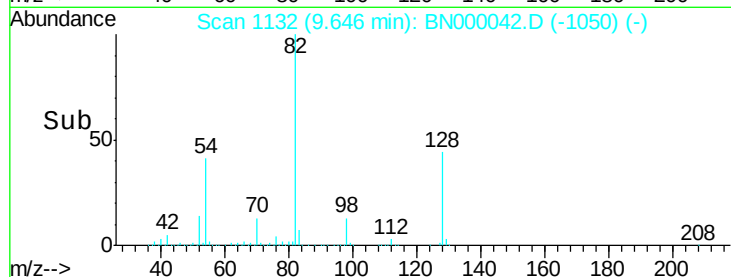
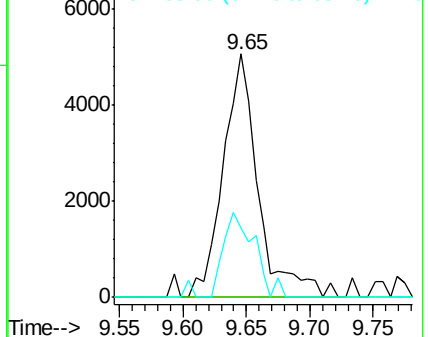
65 28.5 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 123.00 (122.70 to 123.70): BNC

Ion 65.00 (64.70 to 65.70): BNC



#25

Isophorone

Concen: 0.00 ng

RT: 10.17 min Scan# 1221

Delta R.T. -0.05 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

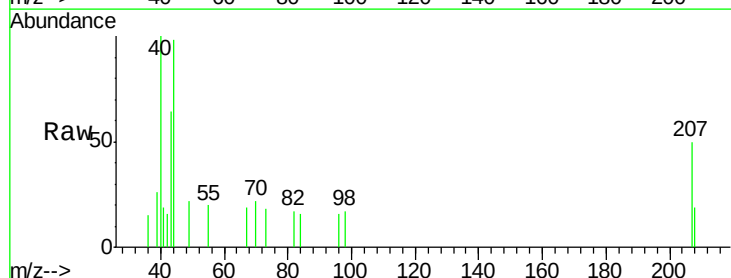
Tgt Ion: 82 Resp: 120

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

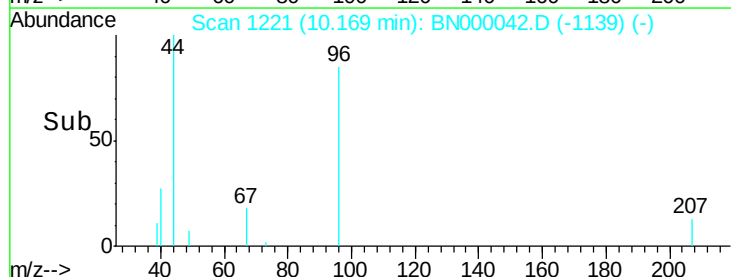
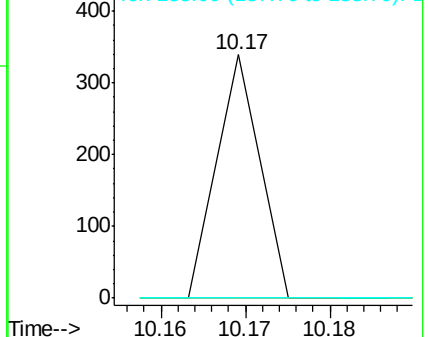
138 0.0 12.1 18.1#

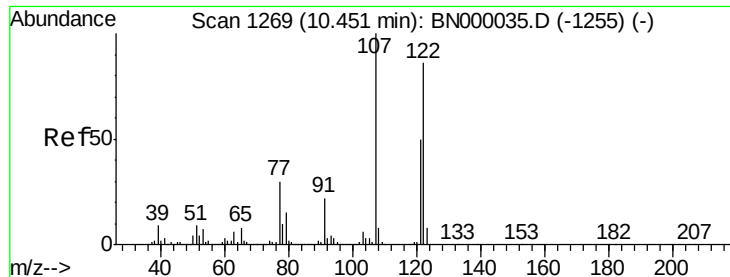


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 138.00 (137.70 to 138.70): BNC

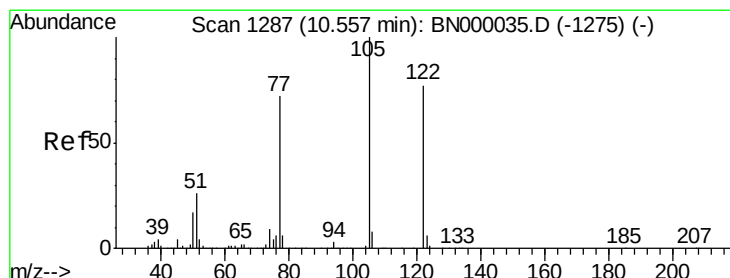
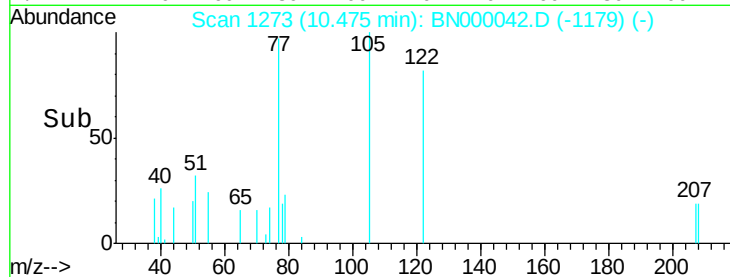
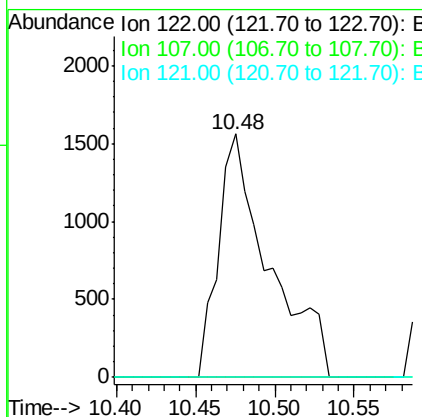
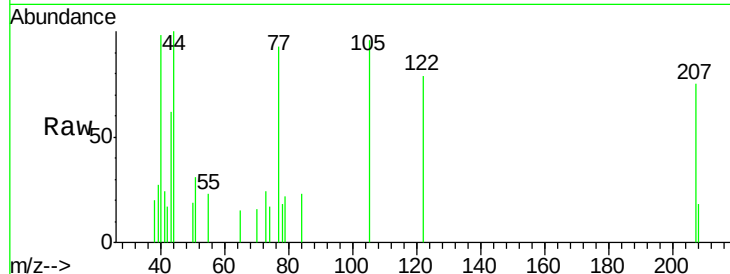




#27
 2,4-Dimethylphenol
 Concen: 0.14 ng
 RT: 10.48 min Scan# 1273
 Delta R.T. 0.02 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

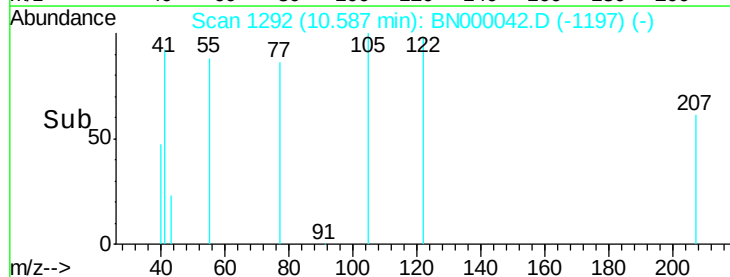
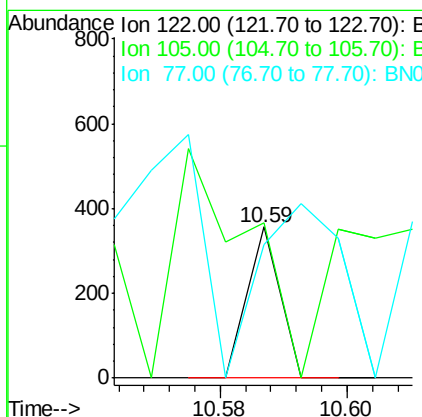
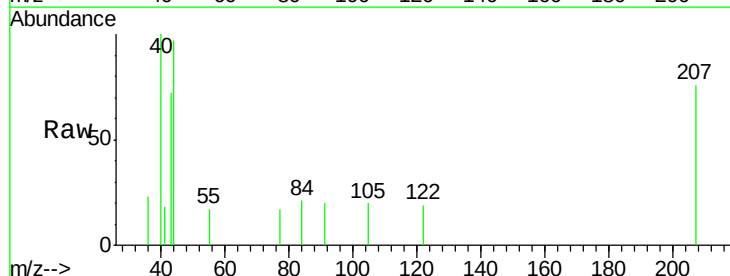
Instrument :
 BNA_N
 ClientSampleId :

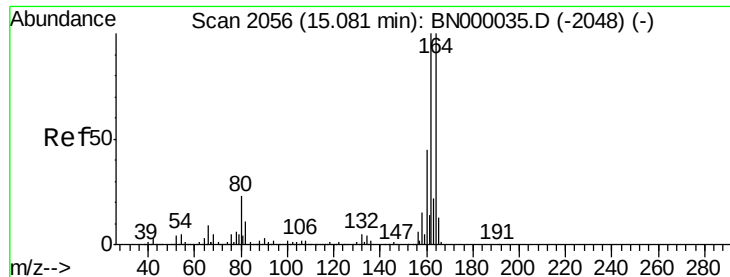
Tot Ion:122 Resp: 3467
 Ion Ratio Lower Upper
 122 100
 107 0.0 100.2 150.2#
 121 0.0 44.4 66.6#



#32
 Benzoic acid
 Concen: 10.55 ng
 RT: 10.59 min Scan# 1292
 Delta R.T. 0.03 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

Tgt Ion:122 Resp: 126
 Ion Ratio Lower Upper
 122 100
 105 102.5 123.5 163.5#
 77 88.2 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.07 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

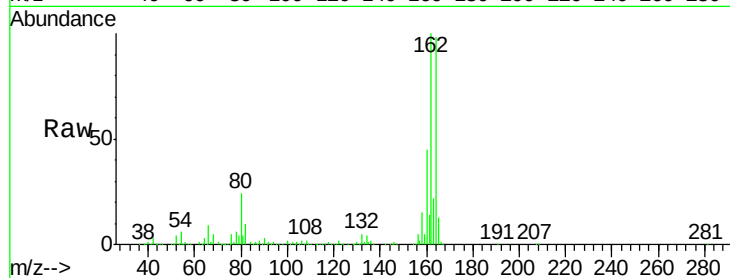
Tot Ion:164 Resp: 983427

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

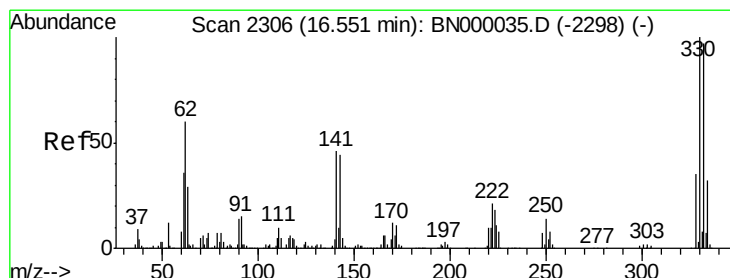
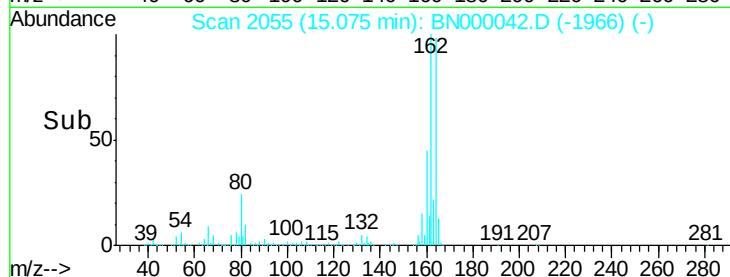
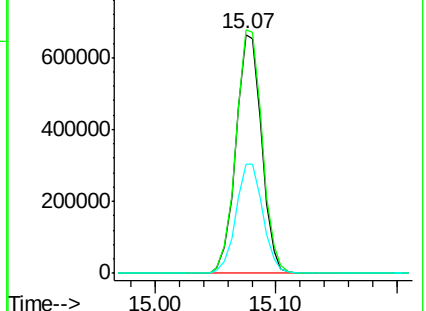
160 45.8 35.4 53.0



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: 135.19 ng

RT: 16.55 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

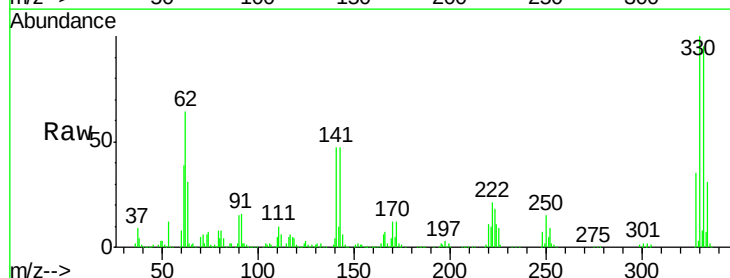
Tgt Ion:330 Resp: 1315951

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

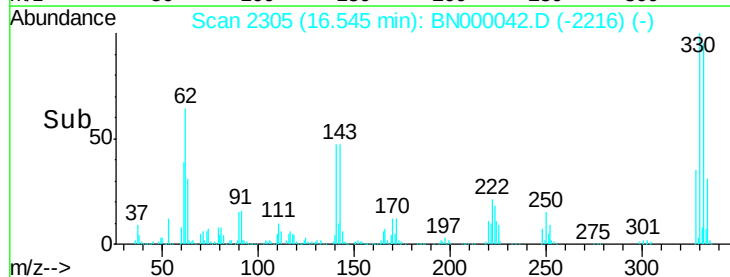
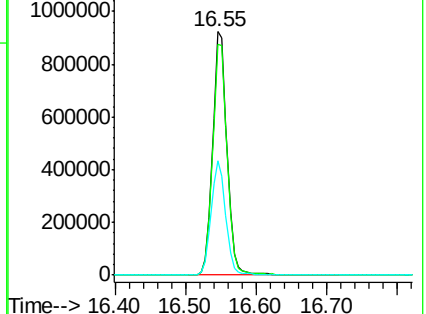
141 47.3 25.2 37.8#

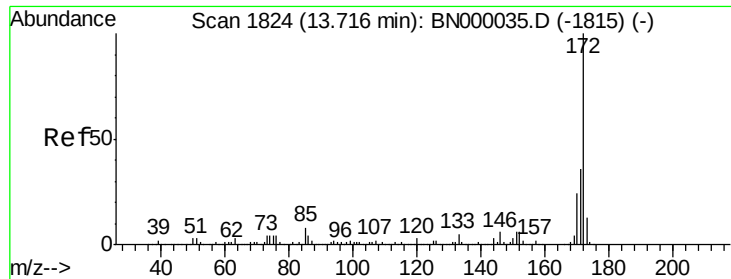


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

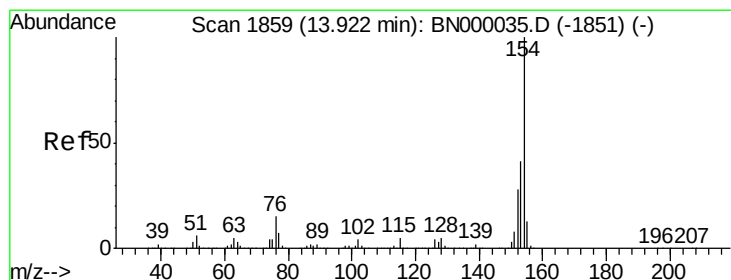
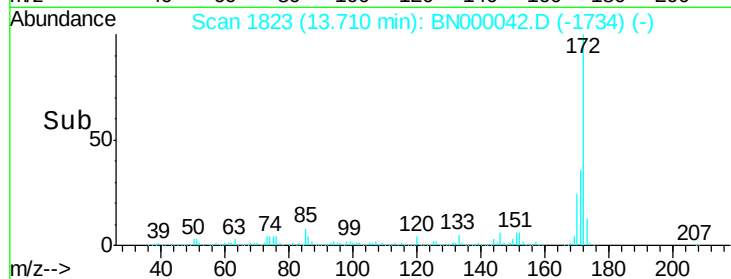
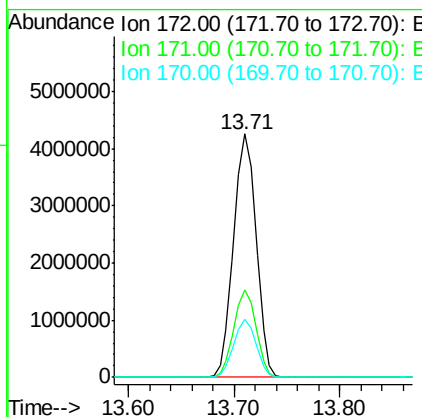
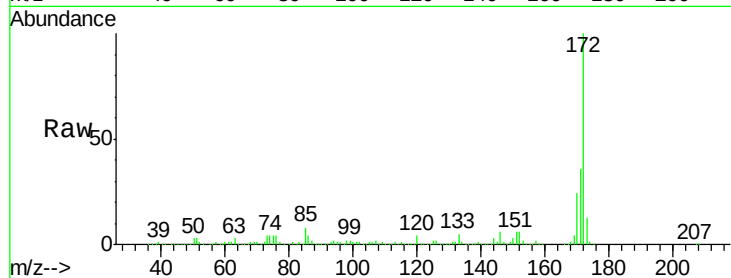




#44
2-Fluorobiphenyl
Concen: 90.05 ng
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

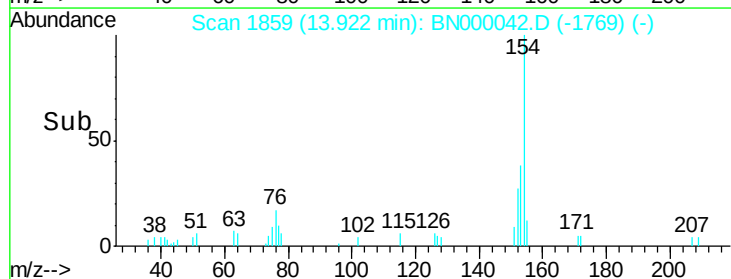
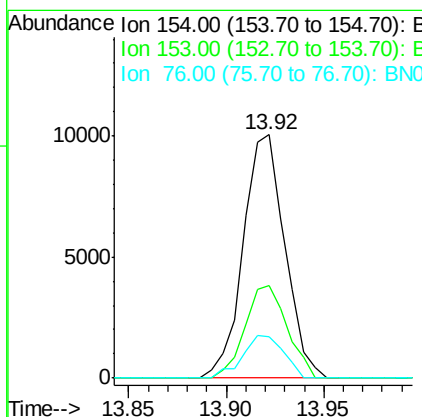
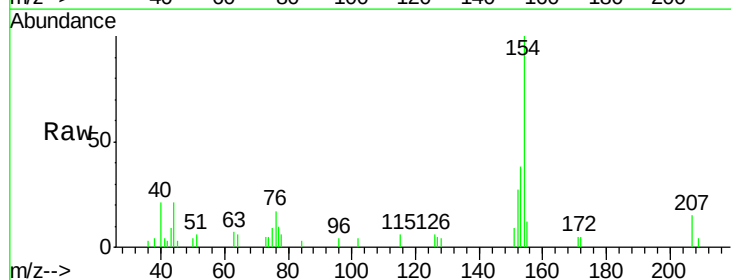
Instrument :
BNA_N
ClientSampled :

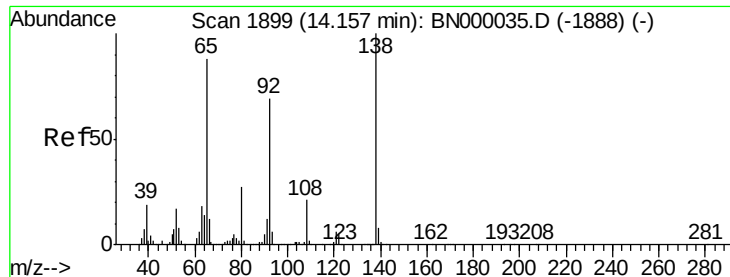
Tot Ion:172 Resp: 6283359
Ion Ratio Lower Upper
172 100
171 36.0 30.0 45.0
170 24.0 19.5 29.3



#45
1,1'-Biphenyl
Concen: 0.17 ng
RT: 13.92 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion:154 Resp: 14841
Ion Ratio Lower Upper
154 100
153 38.1 19.8 59.8
76 16.9 0.0 31.9





#47

2-Nitroaniline

Concen: 5.36 ng

RT: 13.70 min Scan# 1822

Delta R.T. -0.45 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

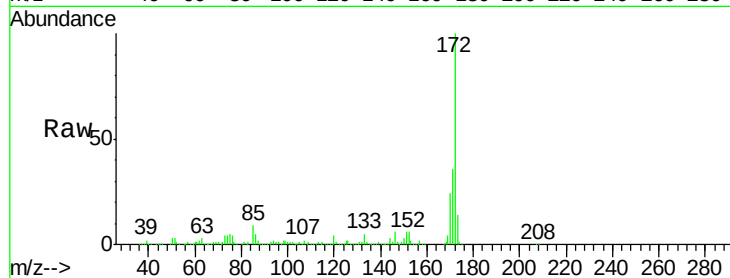
Tot Ion: 65 Resp: 10242

Ion Ratio Lower Upper

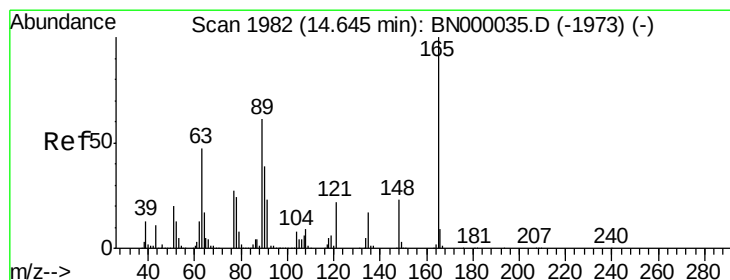
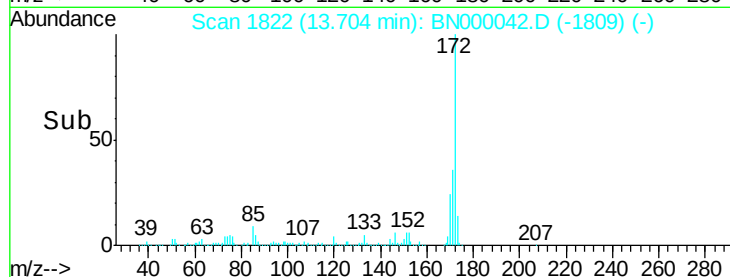
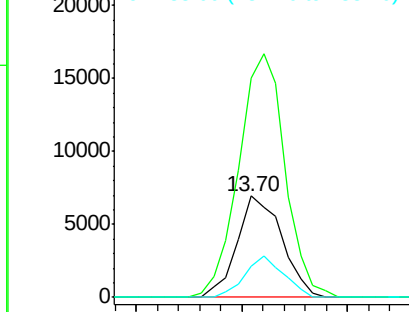
65 100

92 216.1 54.6 82.0#

138 30.3 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BN0
Ion 92.00 (91.70 to 92.70): BN0
Ion 138.00 (137.70 to 138.70): BN0



#50

2,6-Dinitrotoluene

Concen: 7.56 ng

RT: 15.07 min Scan# 2055

Delta R.T. 0.43 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

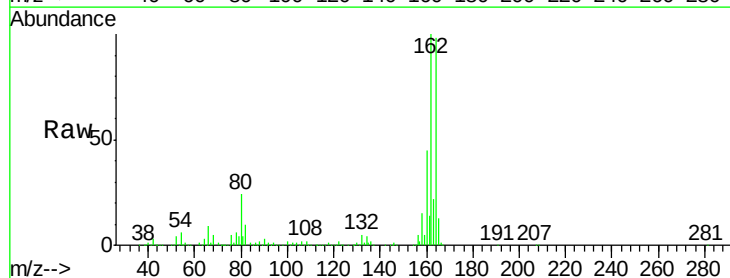
Tgt Ion:165 Resp: 128384

Ion Ratio Lower Upper

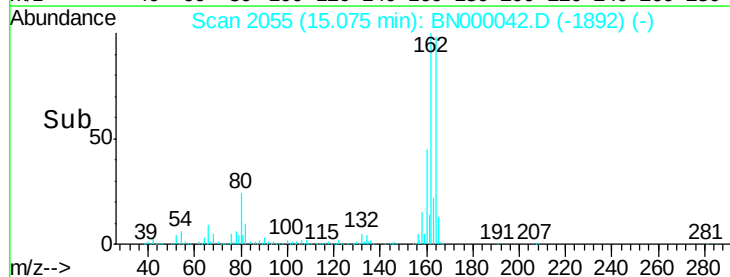
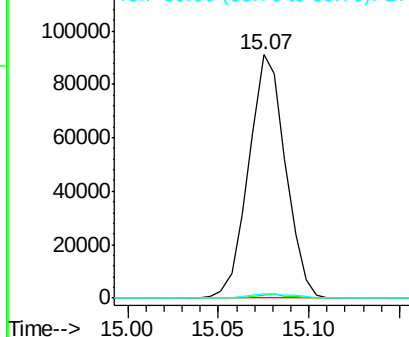
165 100

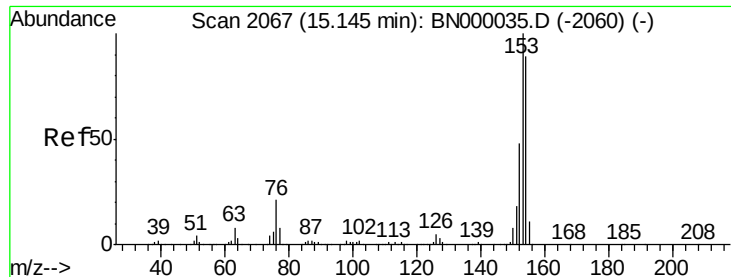
63 1.1 52.7 79.1#

89 1.8 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 89.00 (88.70 to 89.70): BN0





#51

Acenaphthene

Concen: 0.06 ng

RT: 15.08 min Scan# 2056

Delta R.T. -0.06 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

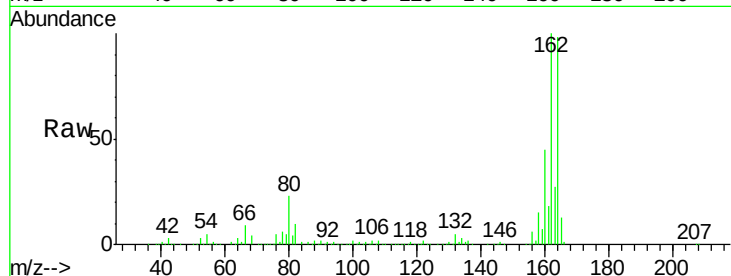
Tot Ion:154 Resp: 3997

Ion Ratio Lower Upper

154 100

153 0.0 90.4 135.6#

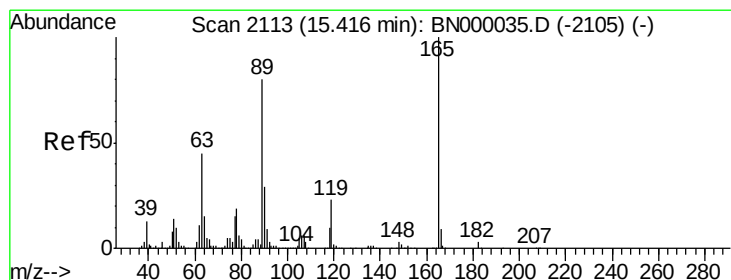
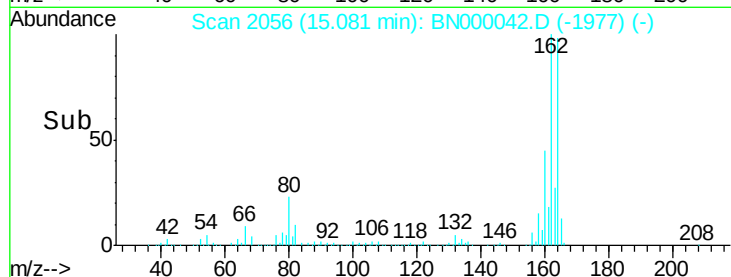
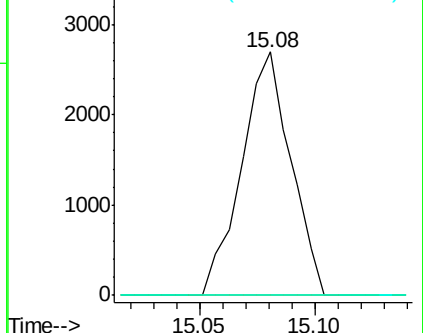
152 0.0 41.6 62.4#



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



#56

2,4-Dinitrotoluene

Concen: 9.01 ng

RT: 15.07 min Scan# 2055

Delta R.T. -0.34 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Tgt Ion:165 Resp: 128384

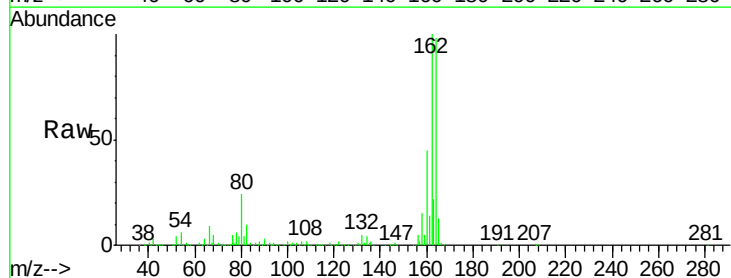
Ion Ratio Lower Upper

165 100

63 1.1 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

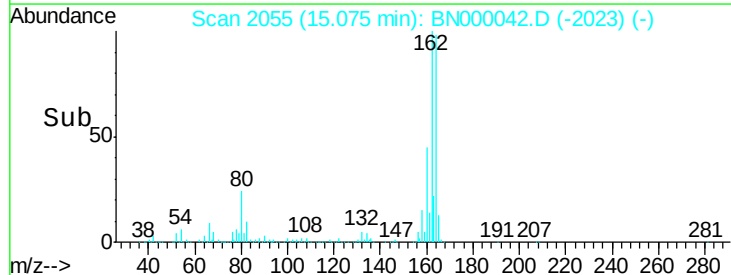
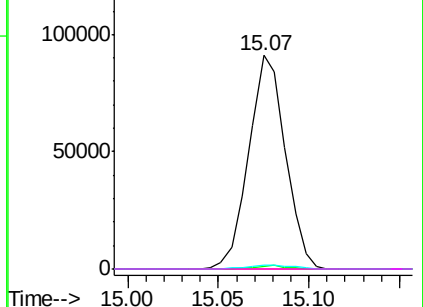


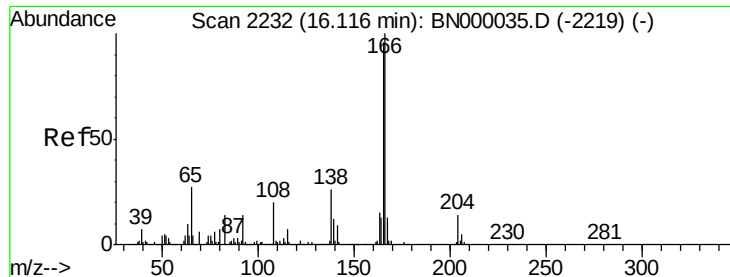
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E

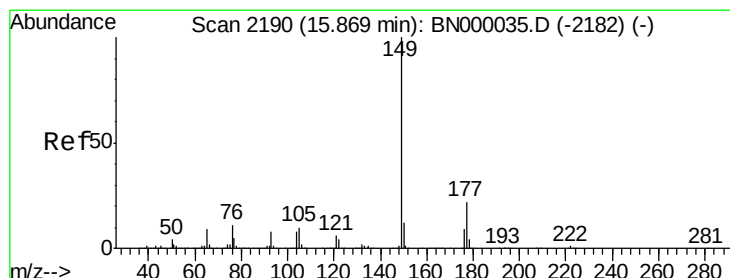
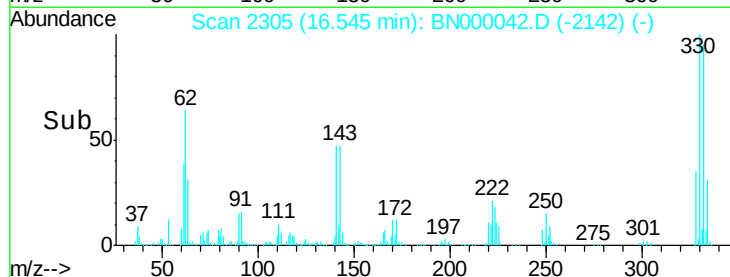
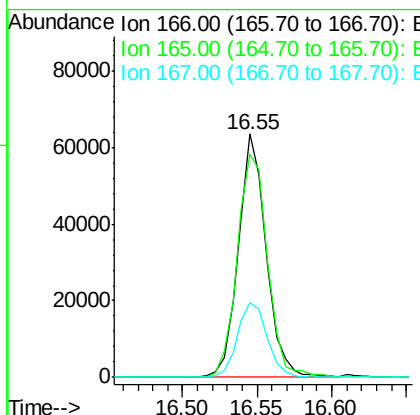
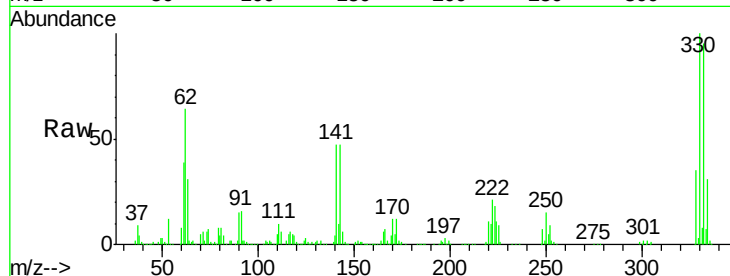




#57
 Fluorene
 Concen: 1.04 ng
 RT: 16.55 min Scan# 2305
 Delta R.T. 0.43 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

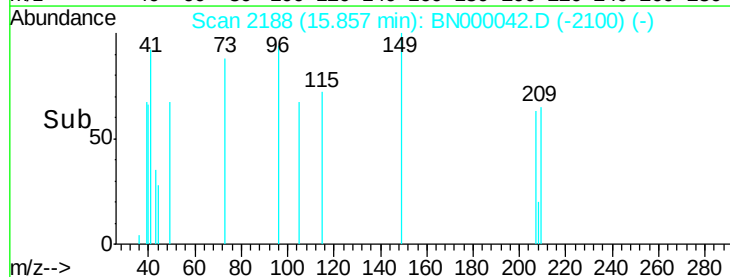
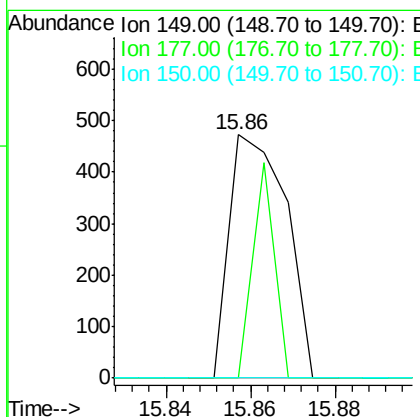
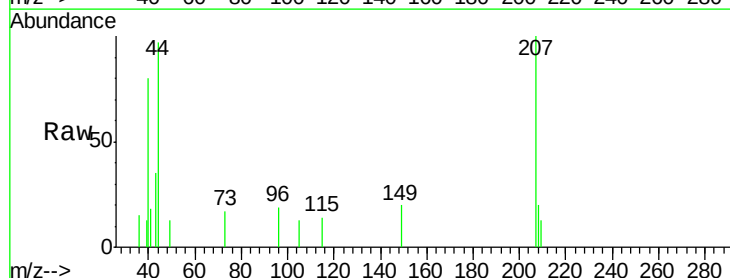
Instrument :
 BNA_N
 ClientSampleId :

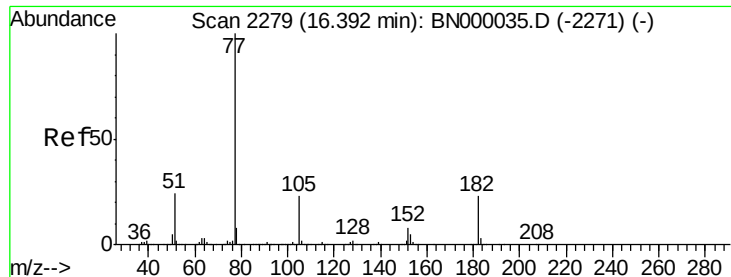
Tot Ion:166 Resp: 82006
 Ion Ratio Lower Upper
 166 100
 165 91.7 80.6 121.0
 167 30.5 10.4 15.6#



#59
 Diethylphthalate
 Concen: 0.01 ng
 RT: 15.86 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

Tgt Ion:149 Resp: 442
 Ion Ratio Lower Upper
 149 100
 177 0.0 18.5 27.7#
 150 0.0 10.2 15.2#





#62

Azobenzene

Concen: 0.01 ng

RT: 16.38 min Scan# 2277

Delta R.T. -0.01 min

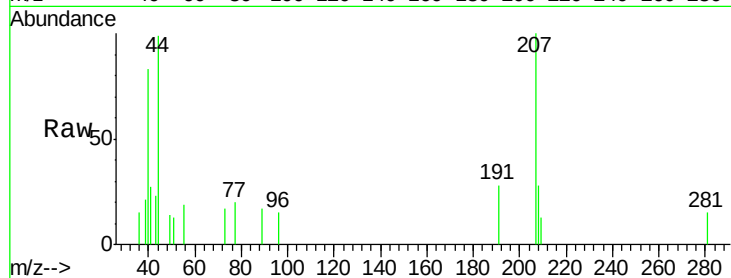
Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampled :



Tot Ion: 77 Resp: 545

Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 0.0 0.3 40.3#

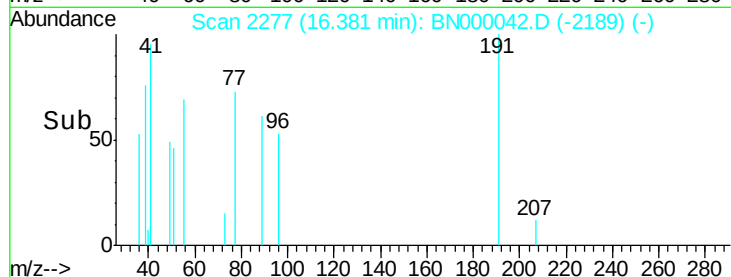
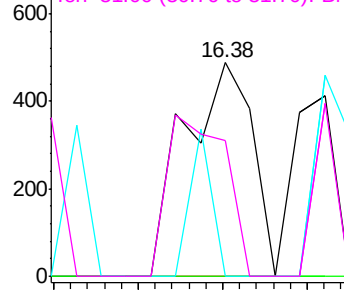
51 63.7 11.6 51.6#

Abundance Ion 77.00 (76.70 to 77.70): BNC

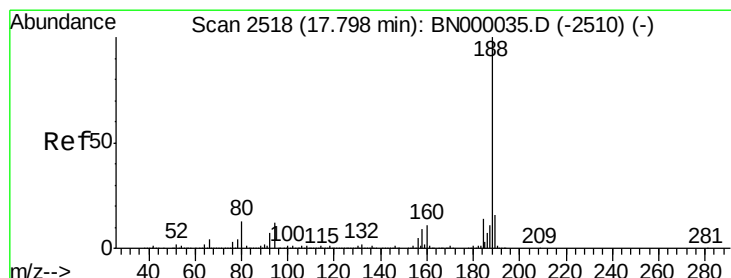
Ion 182.00 (181.70 to 182.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.80 min Scan# 2518

Delta R.T. 0.00 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

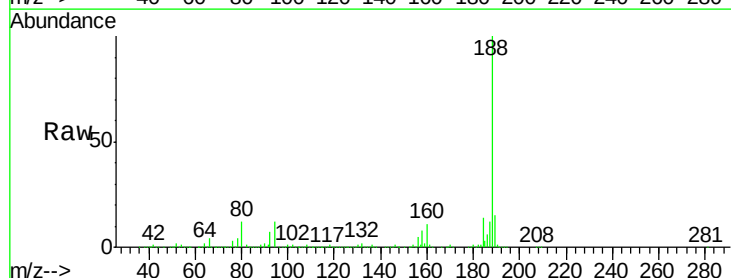
Tgt Ion: 188 Resp: 2419567

Ion Ratio Lower Upper

188 100

94 11.6 6.9 10.3#

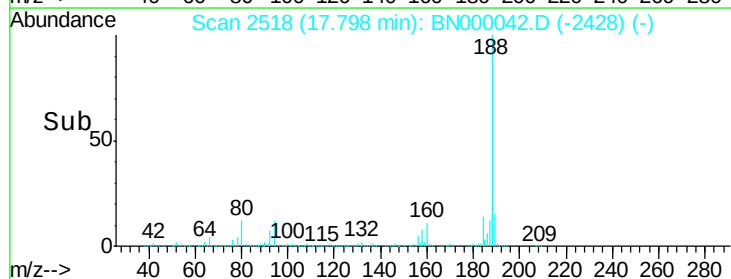
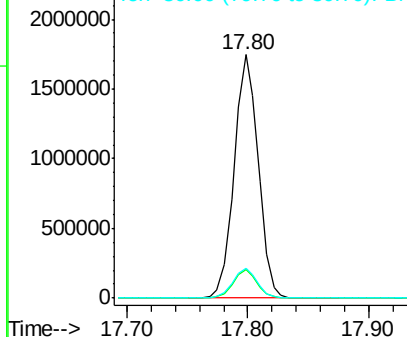
80 12.4 7.7 11.5#

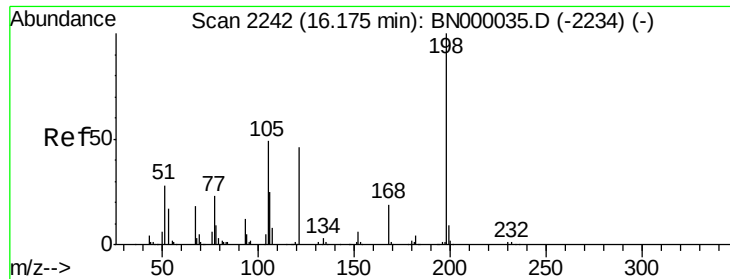


Abundance Ion 188.00 (187.70 to 188.70): BNC

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#64

4,6-Dinitro-2-methylphenol

Concen: 9.05 ng

RT: 16.55 min Scan# 2306

Delta R.T. 0.38 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampled :

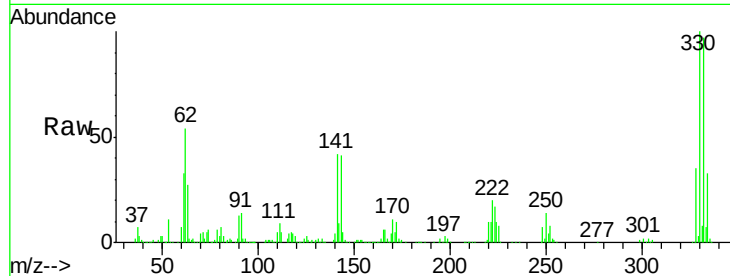
Tot Ion:198 Resp: 4866

Ion Ratio Lower Upper

198 100

51 114.7 30.6 70.6#

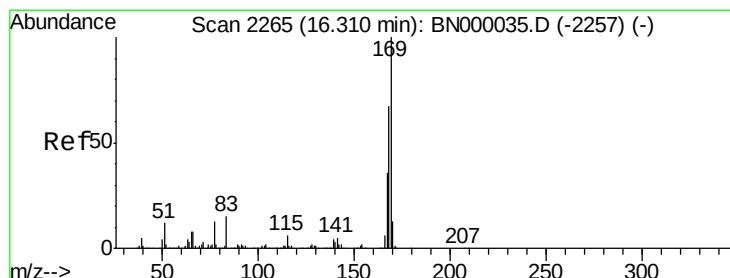
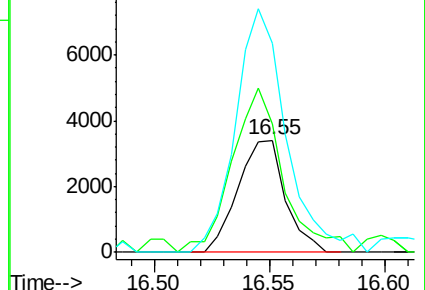
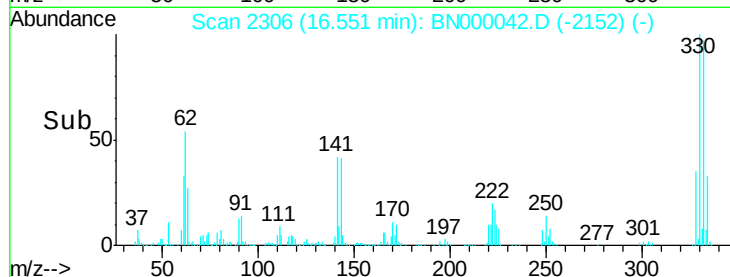
105 186.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.70 ng

RT: 16.55 min Scan# 2305

Delta R.T. 0.24 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

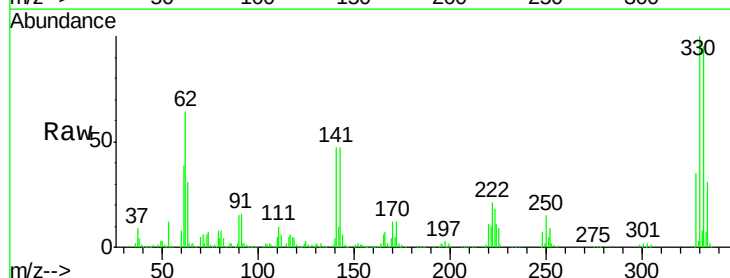
Tgt Ion:169 Resp: 55420

Ion Ratio Lower Upper

169 100

168 8.2 55.7 83.5#

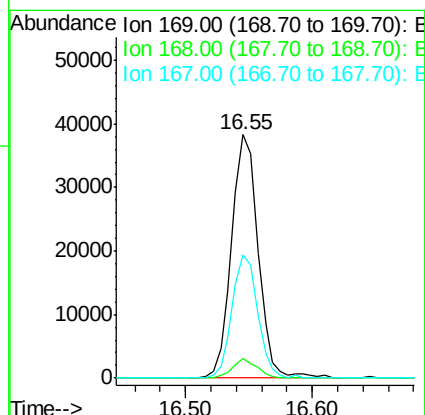
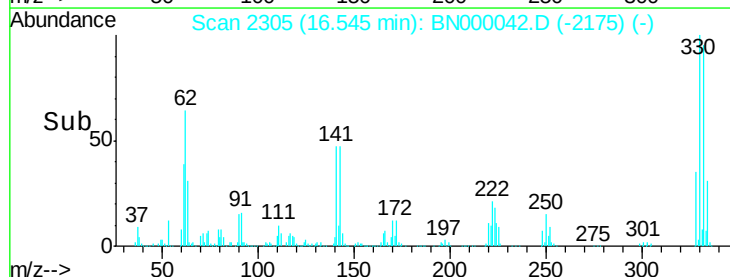
167 50.7 30.1 45.1#

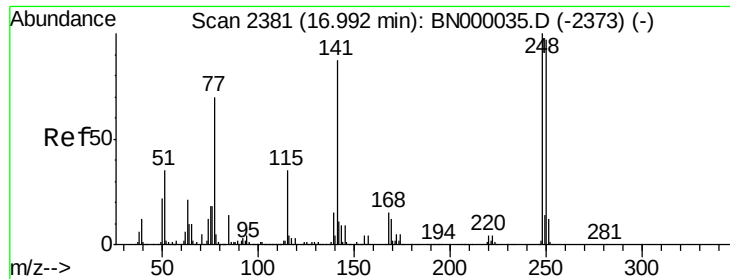


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

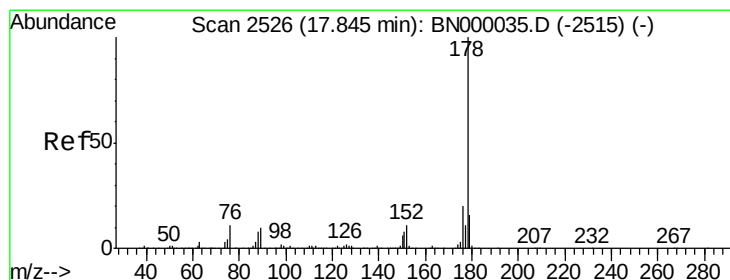
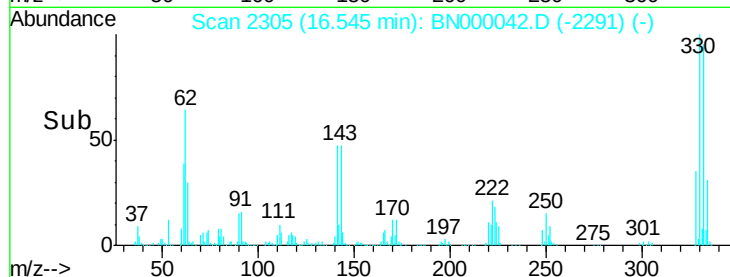
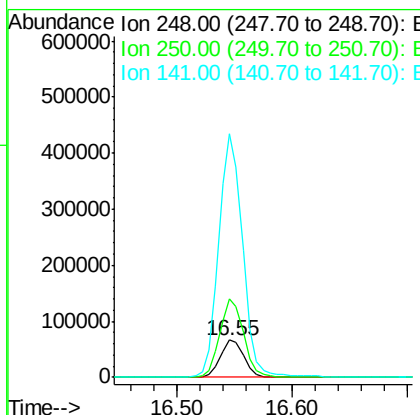
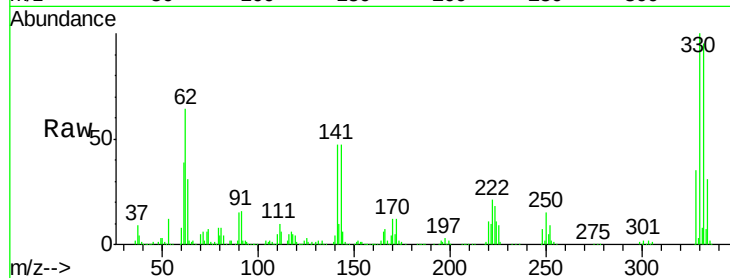




#66
 4-Bromophenyl-phenylether
 Concen: 4.15 ng
 RT: 16.55 min Scan# 2305
 Delta R.T. -0.45 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

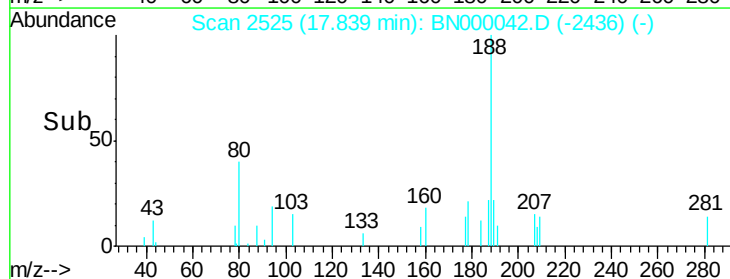
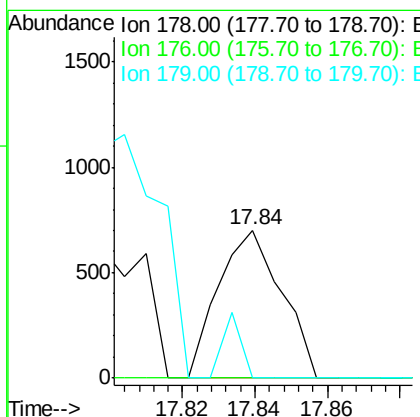
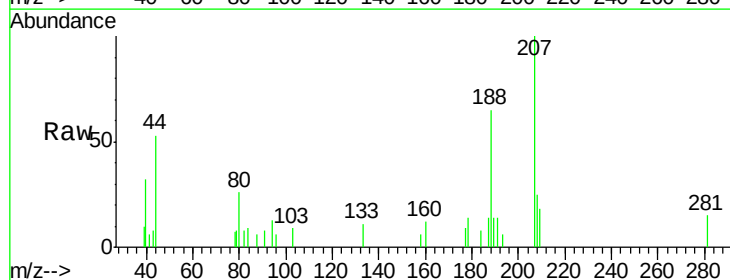
Instrument :
 BNA_N
 ClientSampled :

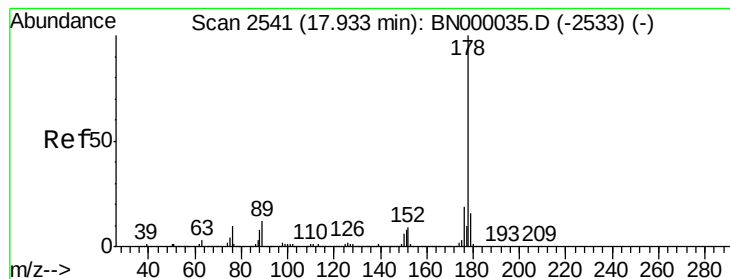
Tot Ion:248 Resp: 95460
 Ion Ratio Lower Upper
 248 100
 250 209.7 77.1 115.7#
 141 651.9 50.8 76.2#



#70
 Phenanthrene
 Concen: 0.01 ng
 RT: 17.84 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

Tgt Ion:178 Resp: 848
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.7 23.5#
 179 0.0 12.5 18.7#





#71

Anthracene

Concen: 0.00 ng

RT: 17.93 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

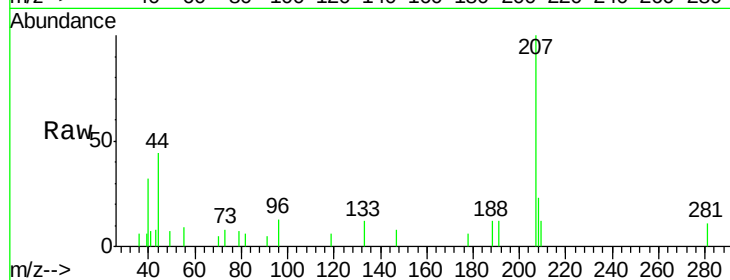
Tot Ion:178 Resp: 133

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

179 0.0 12.5 18.7#



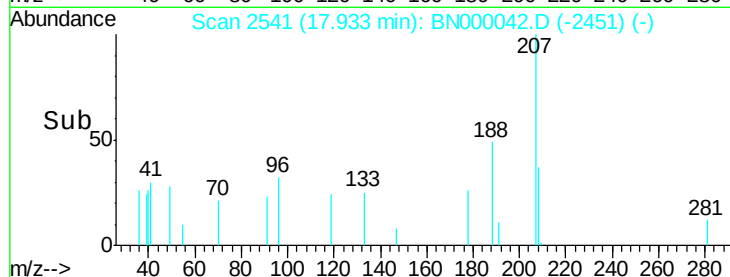
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

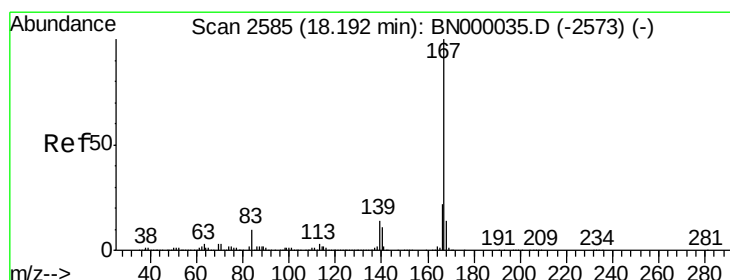
Ion 179.00 (178.70 to 179.70): E

17.93

Time-->



Time-->



#72

Carbazole

Concen: 0.00 ng

RT: 18.19 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

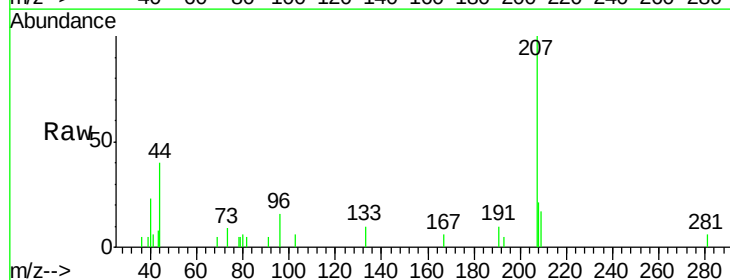
Tgt Ion:167 Resp: 150

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

139 0.0 9.4 14.2#



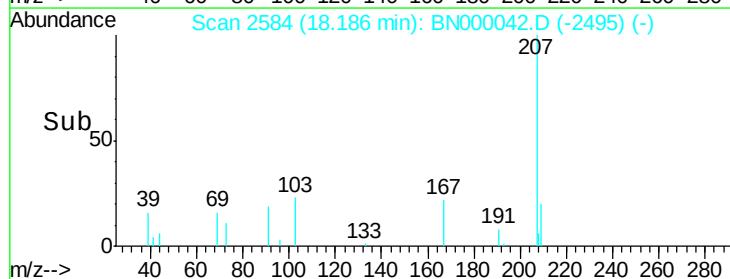
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

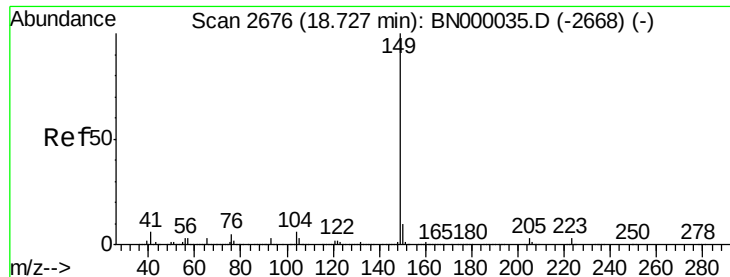
Ion 139.00 (138.70 to 139.70): E

18.19

Time-->



Time-->



#73

Di-n-butylphthalate

Concen: 0.01 ng

RT: 18.72 min Scan# 2675

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

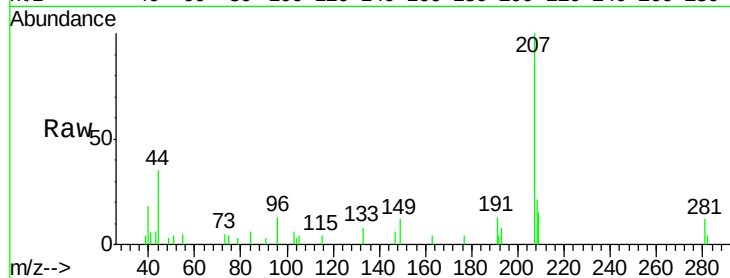
Tot Ion:149 Resp: 1065

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

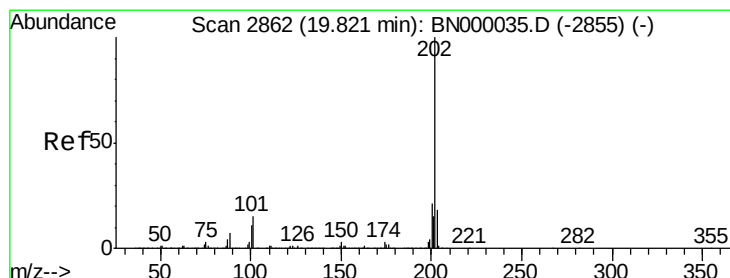
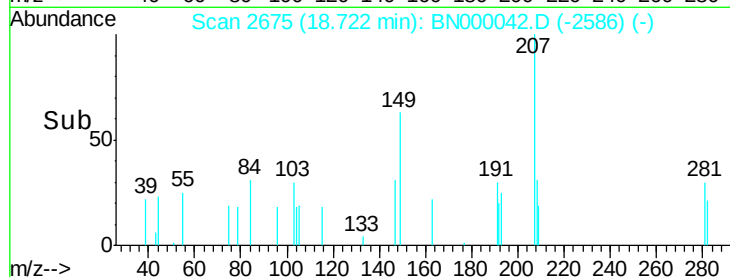
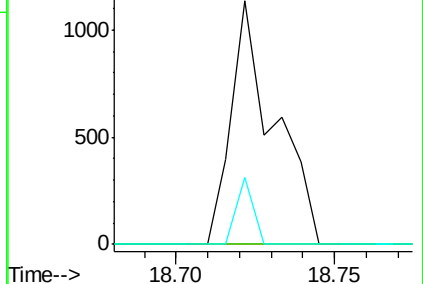
104 27.7 3.9 5.9#



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



#74

Fluoranthene

Concen: 0.00 ng

RT: 19.82 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

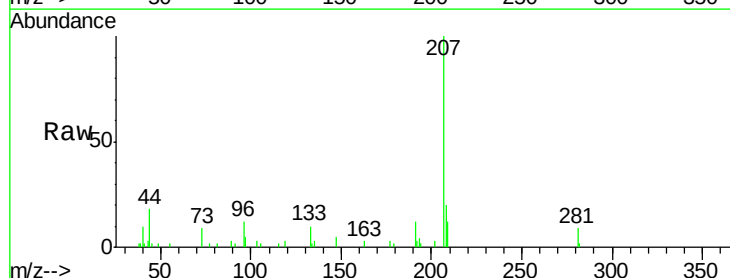
Tgt Ion:202 Resp: 421

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.9

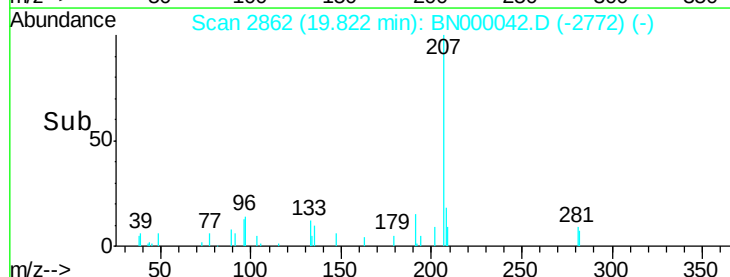
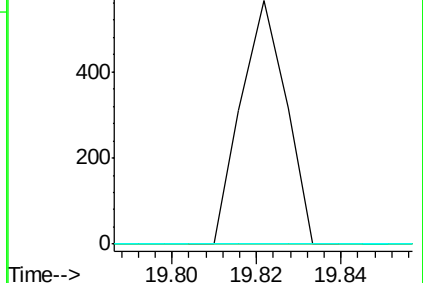
203 0.0 0.0 37.5

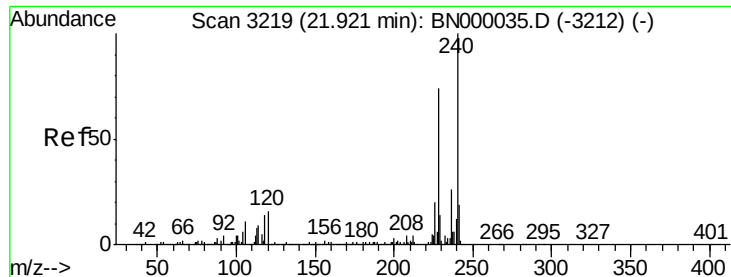


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.93 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

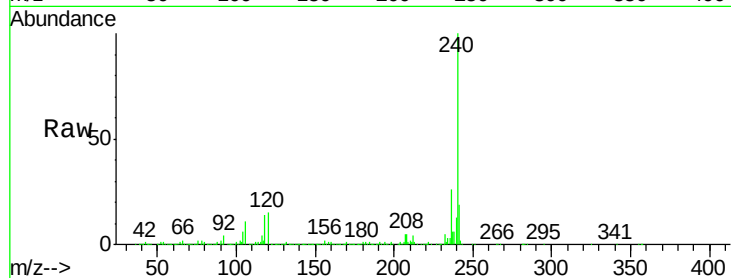
Tot Ion:240 Resp: 2674145

Ion Ratio Lower Upper

240 100

120 15.1 6.8 10.2#

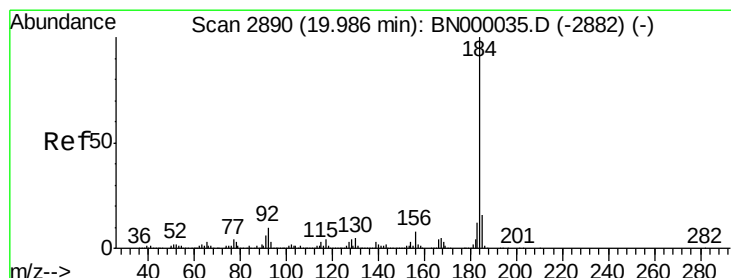
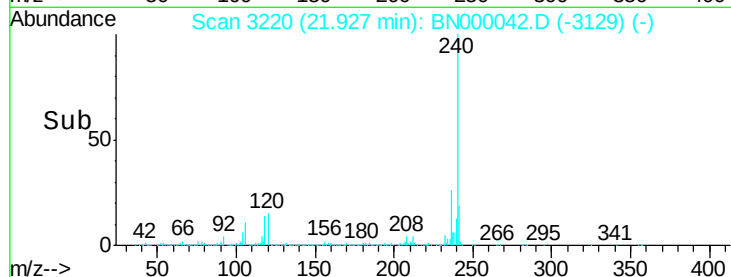
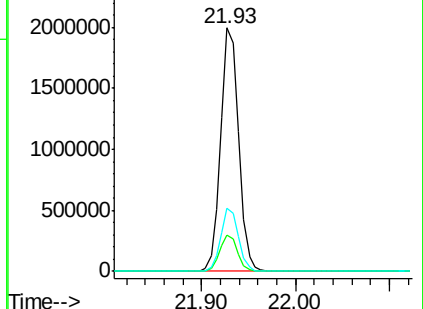
236 25.9 20.9 31.3



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



#76

Benzidine

Concen: 2.00 ng

RT: 20.37 min Scan# 2955

Delta R.T. 0.38 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

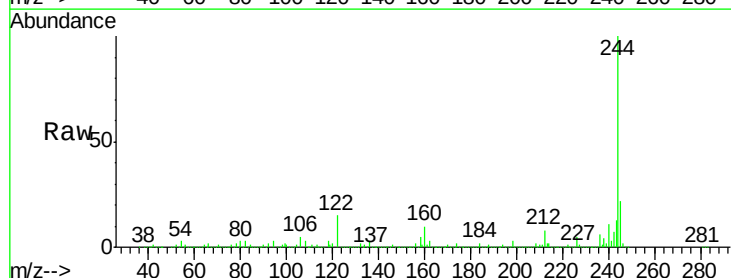
Tgt Ion:184 Resp: 170242

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

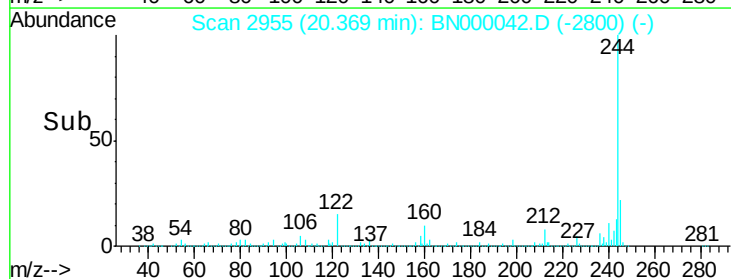
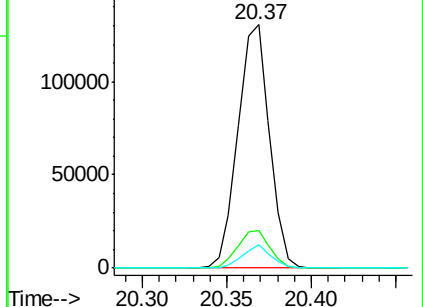
183 9.5 10.6 16.0#

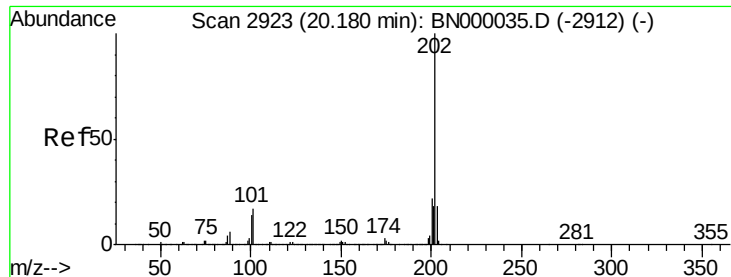


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

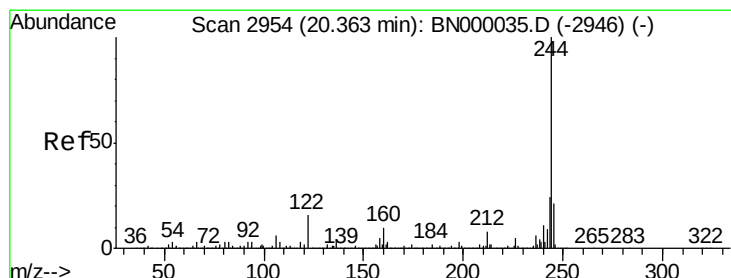
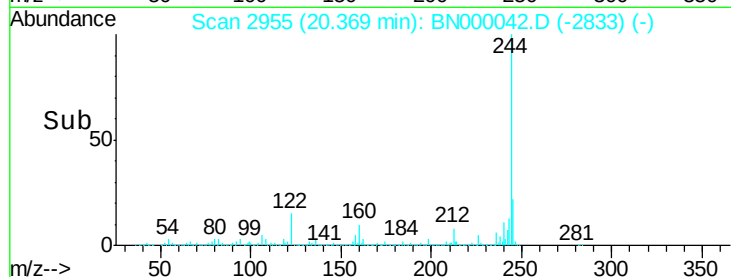
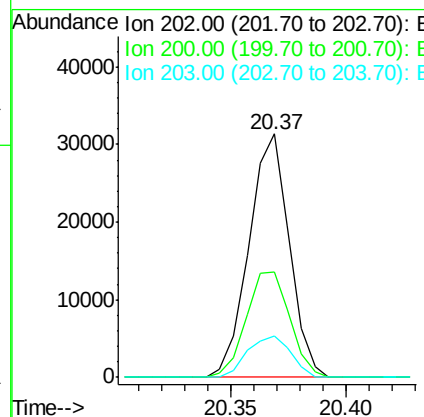
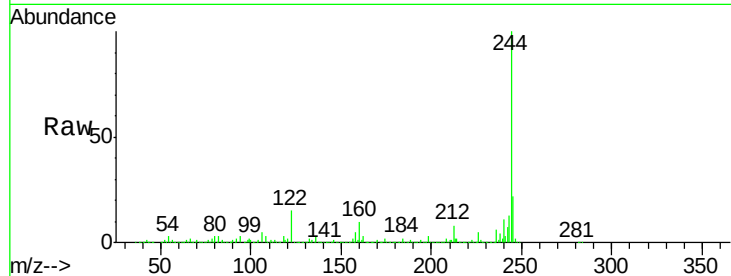




#77
Pvrene
Concen: 0.22 ng
RT: 20.37 min Scan# 2955
Delta R.T. 0.19 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

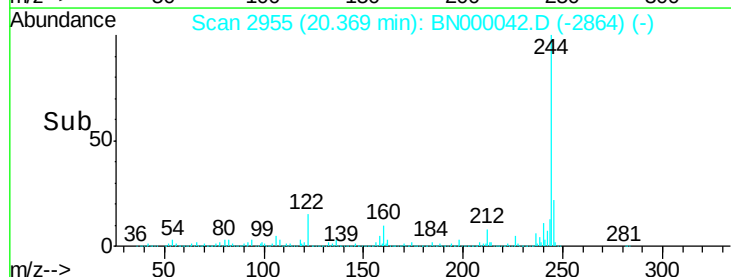
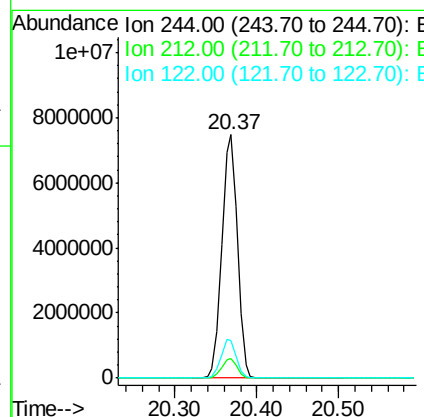
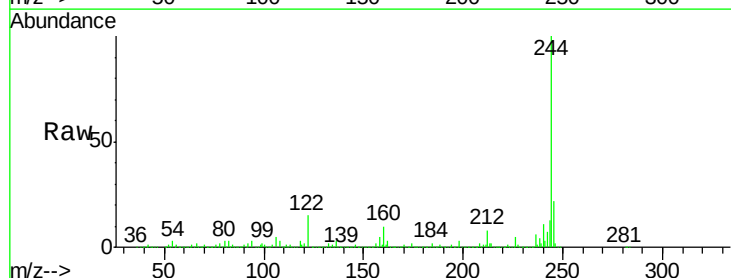
Instrument :
BNA_N
ClientSampleId :

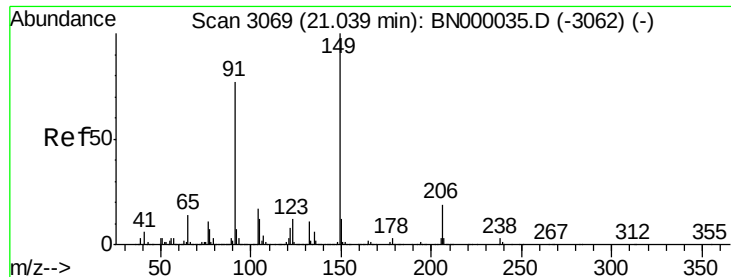
Tot Ion	Ratio	Lower	Upper
202	100		
200	43.4	16.9	25.3#
203	17.1	13.9	20.9



#78
Terphenyl-d14
Concen: 100.13 ng
RT: 20.37 min Scan# 2955
Delta R.T. 0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	15.5	7.0	10.4#

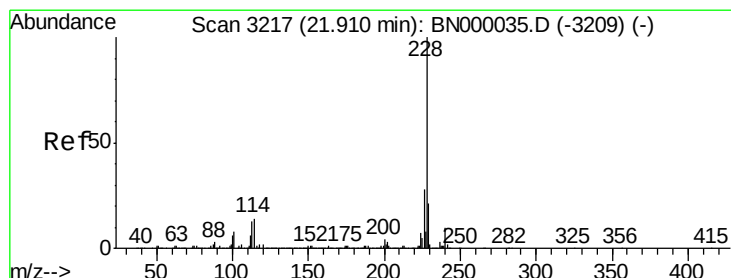
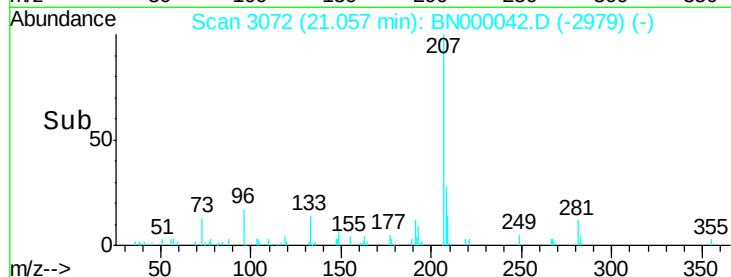
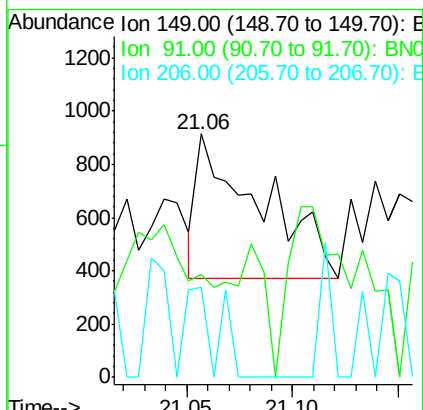
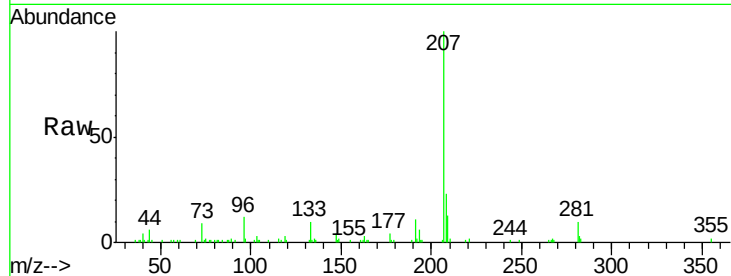




#79
Butylbenzylphthalate
Concen: 5.39 ng
RT: 21.06 min Scan# 3072
Delta R.T. 0.02 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

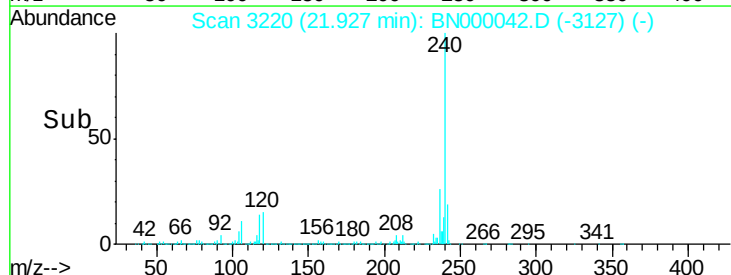
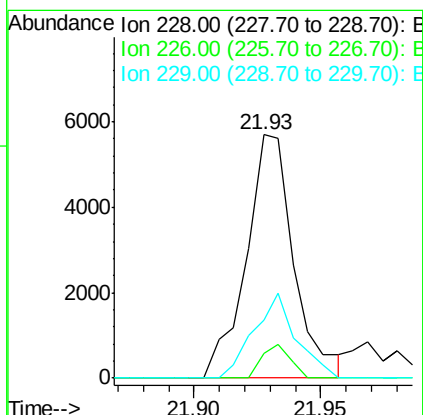
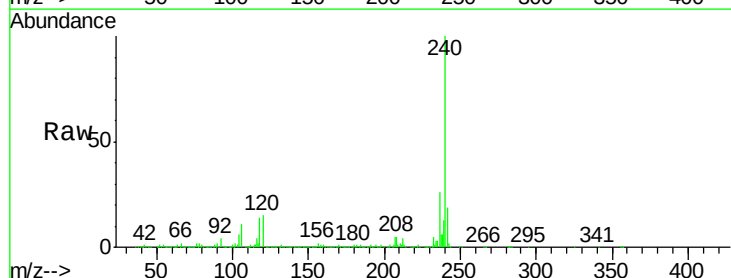
Instrument :
BNA_N
ClientSampled :

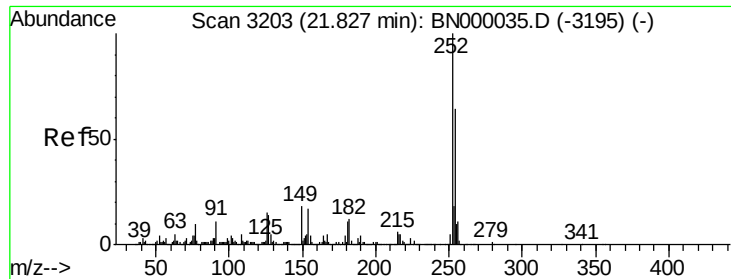
Tot Ion:149 Resp: 1120
Ion Ratio Lower Upper
149 100
91 42.0 62.2 93.2#
206 37.0 18.6 27.8#



#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.93 min Scan# 3220
Delta R.T. 0.02 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion:228 Resp: 7507
Ion Ratio Lower Upper
228 100
226 10.2 22.7 34.1#
229 24.1 16.2 24.2





#81

3,3'-Dichlorobenzidine

Concen: 0.01 ng

RT: 21.83 min Scan# 3204

Delta R.T. 0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

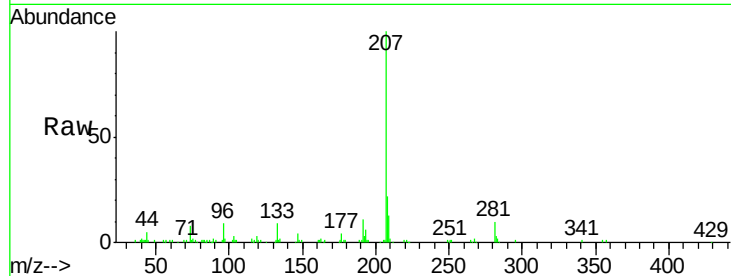
Tot Ion:252 Resp: 575

Ion Ratio Lower Upper

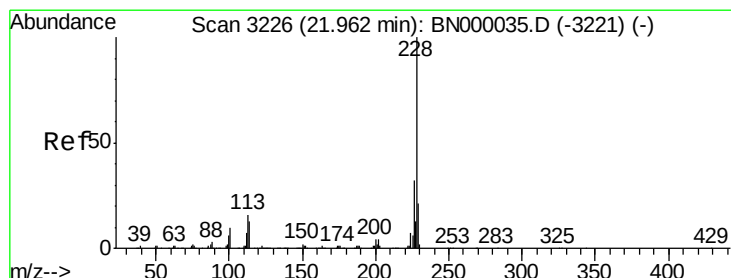
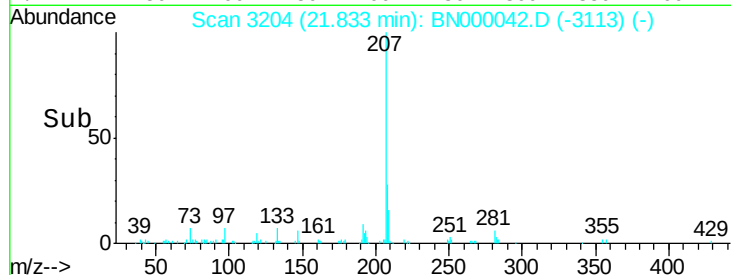
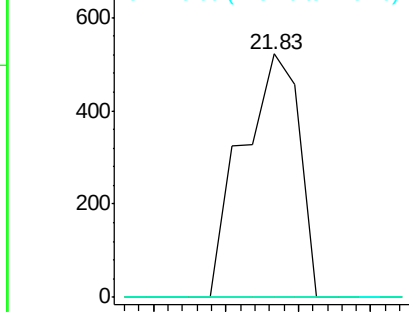
252 100

254 0.0 50.8 76.2#

126 0.0 7.4 11.2#



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



#82

Chrysene

Concen: 0.01 ng

RT: 21.97 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

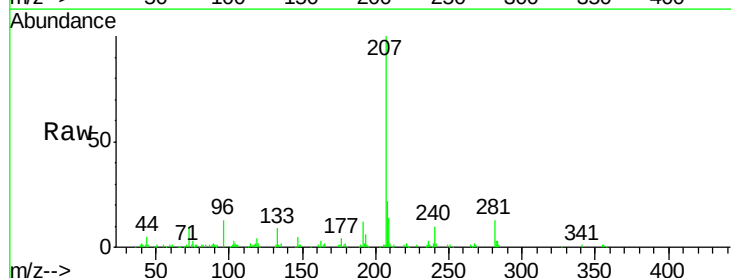
Tgt Ion:228 Resp: 999

Ion Ratio Lower Upper

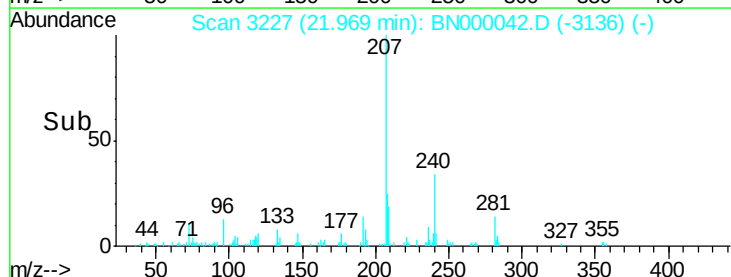
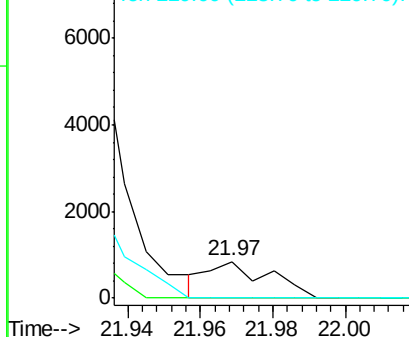
228 100

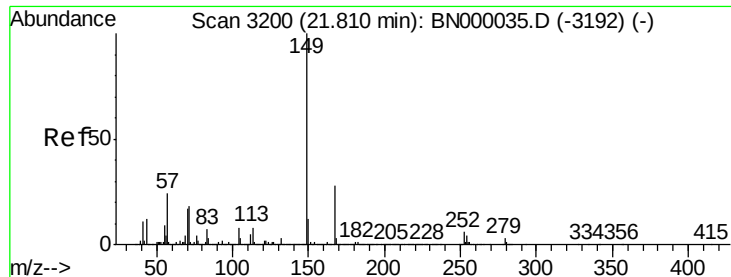
226 0.0 24.9 37.3#

229 0.0 15.0 22.4#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.91 ng

RT: 21.81 min Scan# 3200

Delta R.T. 0.00 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

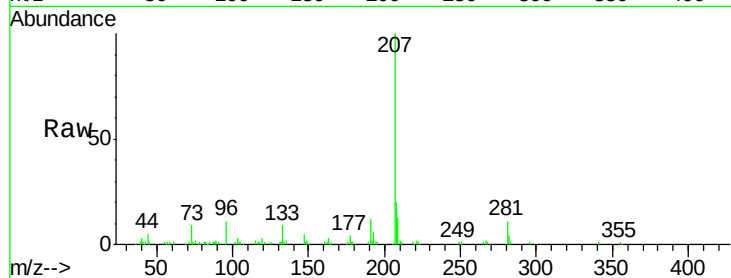
Tot Ion:149 Resp: 961

Ion Ratio Lower Upper

149 100

167 0.0 24.3 36.5#

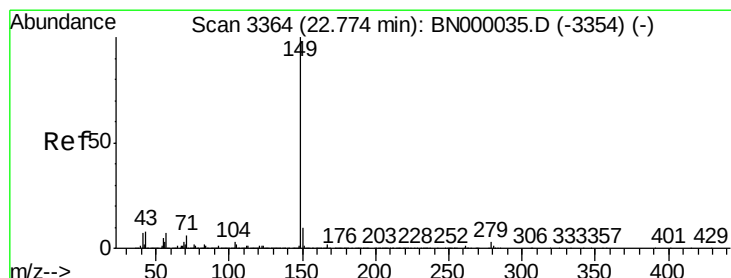
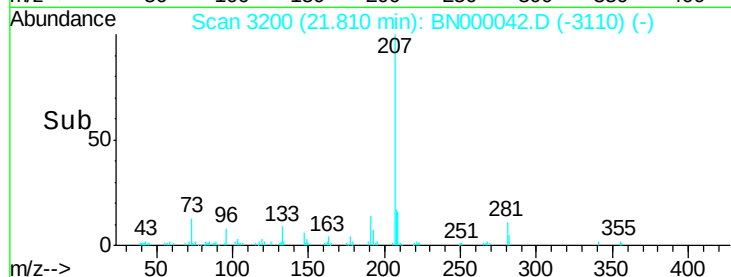
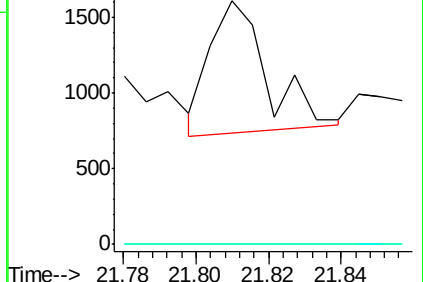
279 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 6.73 ng

RT: 22.80 min Scan# 3368

Delta R.T. 0.02 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

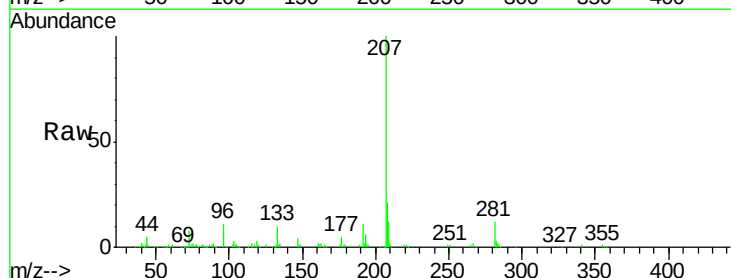
Tgt Ion:149 Resp: 333

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

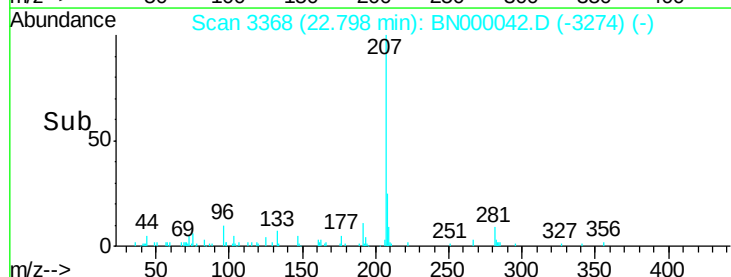
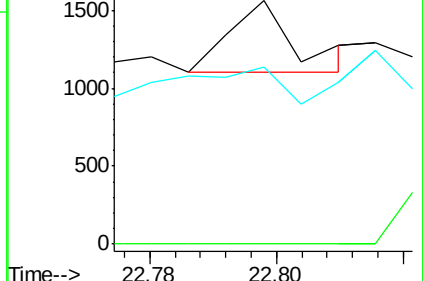
43 62.8 8.9 13.3#

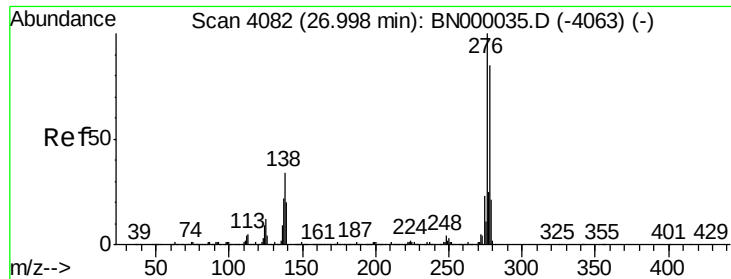


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC

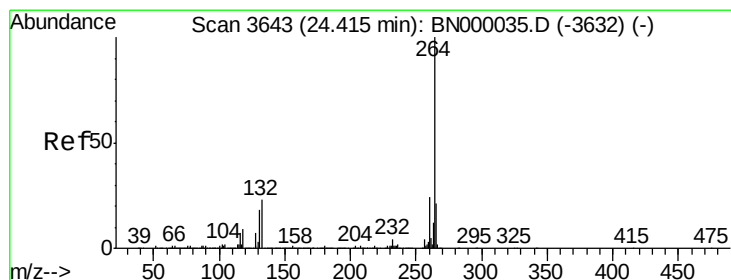
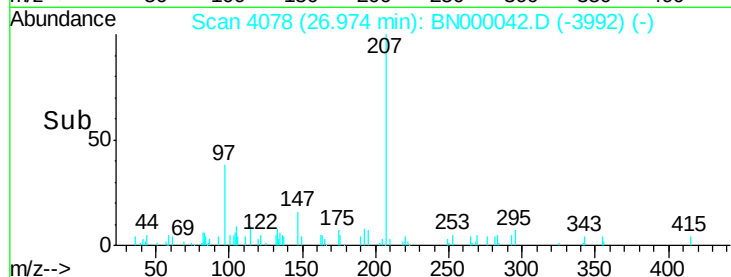
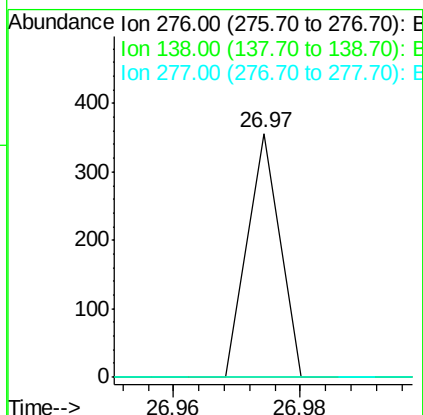
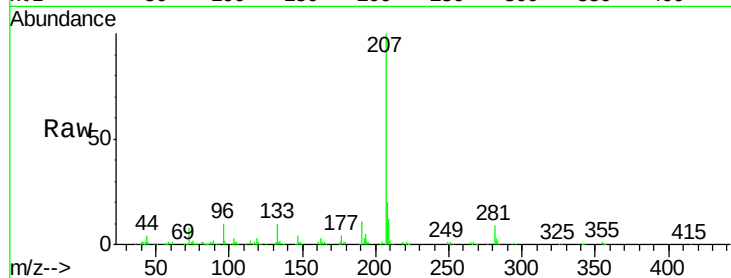




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.00 ng
 RT: 26.97 min Scan# 4078
 Delta R.T. -0.02 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

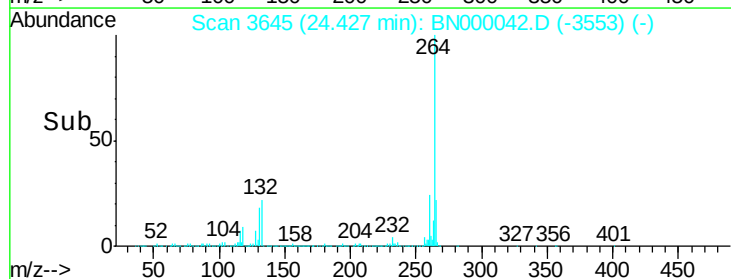
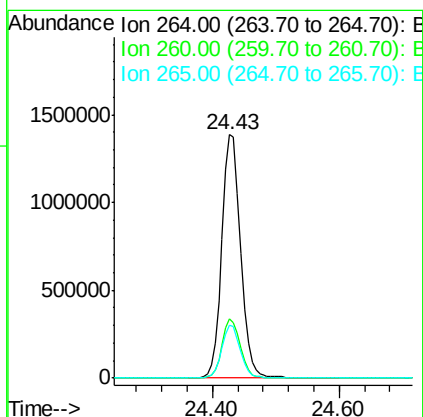
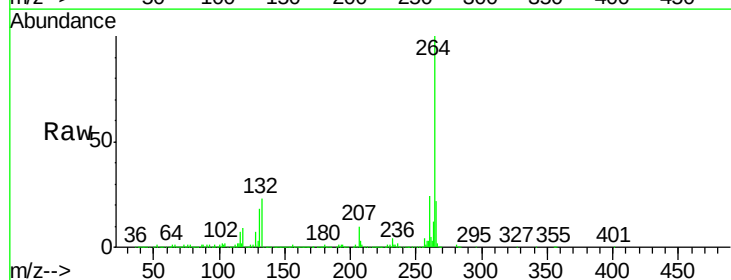
Instrument :
 BNA_N
 ClientSampleId :

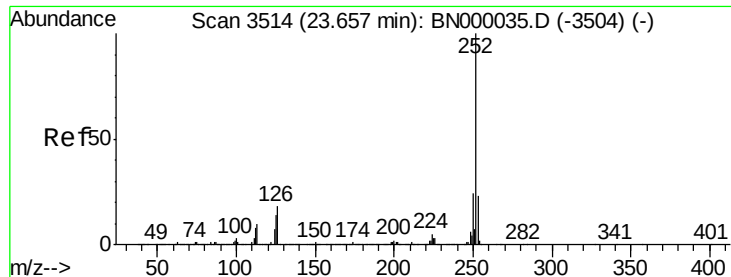
Tot Ion:276 Resp: 126
 Ion Ratio Lower Upper
 276 100
 138 0.0 16.0 24.0#
 277 0.0 20.0 30.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.43 min Scan# 3645
 Delta R.T. 0.01 min
 Lab File: BN000042.D
 Acq: 07 Feb 2018 19:15

Tgt Ion:264 Resp: 2862972
 Ion Ratio Lower Upper
 264 100
 260 24.2 17.4 26.0
 265 21.9 17.7 26.5

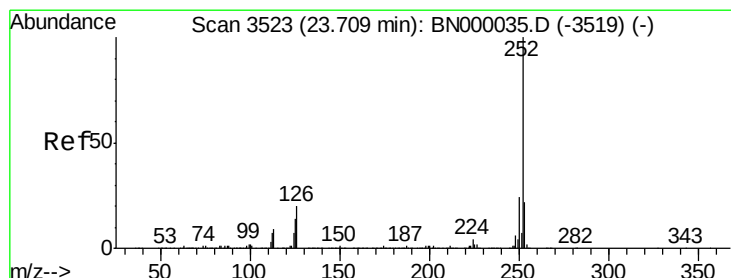
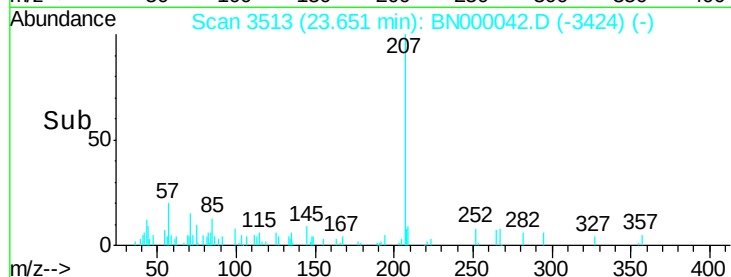
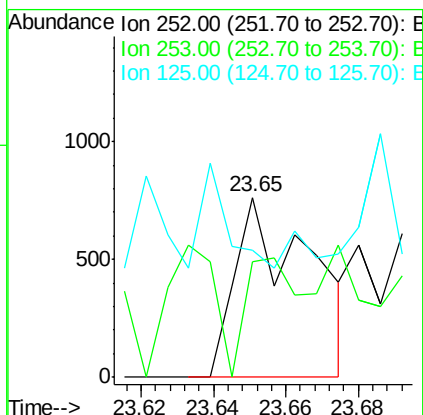
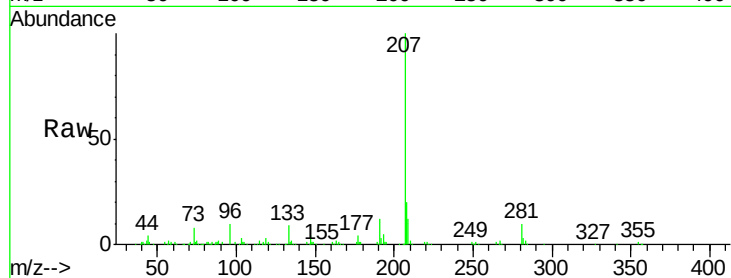




#87
Benzo(b)fluoranthene
Concen: 0.01 ng
RT: 23.65 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

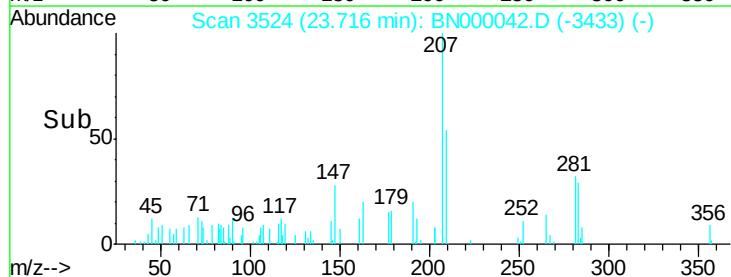
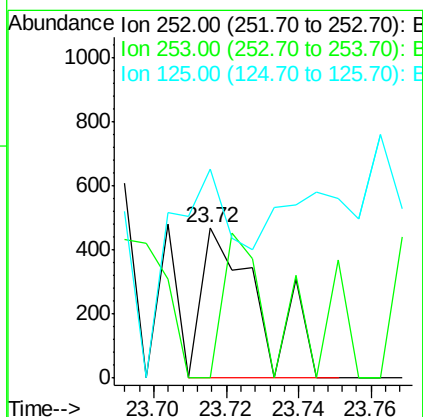
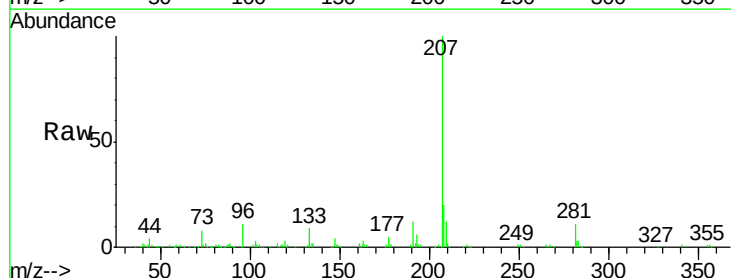
Instrument :
BNA_N
ClientSampled :

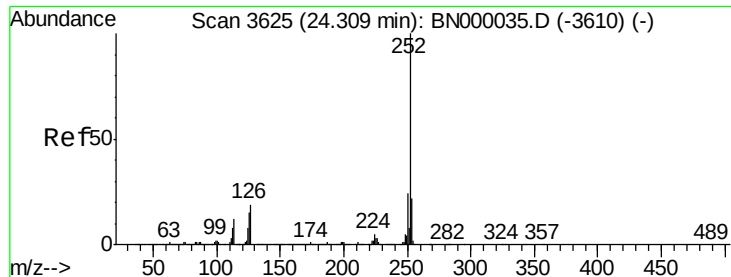
Tot Ion:252 Resp: 1079
Ion Ratio Lower Upper
252 100
253 64.0 18.2 27.4#
125 70.5 7.2 10.8#



#88
Benzo(k)fluoranthene
Concen: 0.00 ng
RT: 23.72 min Scan# 3524
Delta R.T. 0.01 min
Lab File: BN000042.D
Acq: 07 Feb 2018 19:15

Tgt Ion:252 Resp: 514
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.2#
125 139.4 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 0.00 ng

RT: 24.32 min Scan# 3626

Delta R.T. 0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

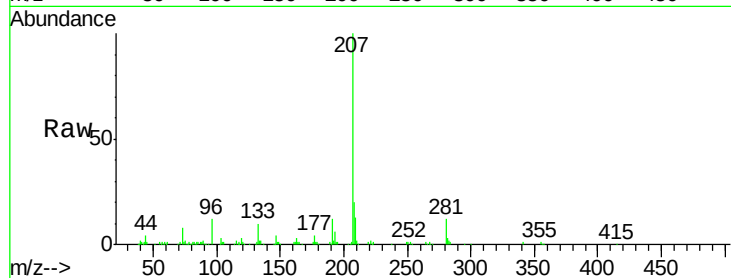
Tot Ion:252 Resp: 698

Ion Ratio Lower Upper

252 100

253 63.2 18.3 27.5#

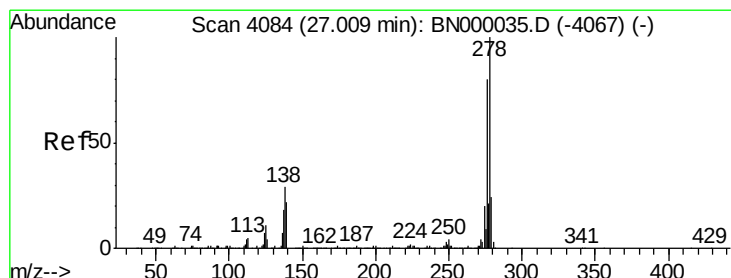
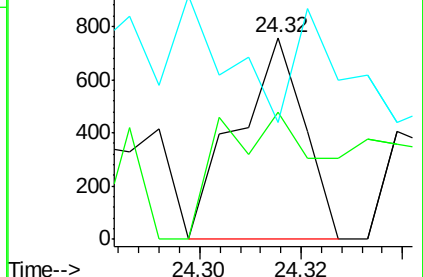
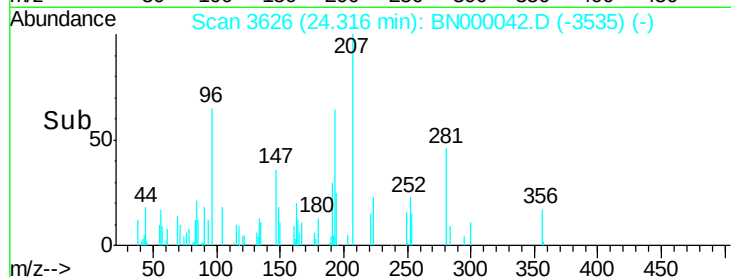
125 57.8 7.3 10.9#



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: 0.00 ng

RT: 27.00 min Scan# 4082

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

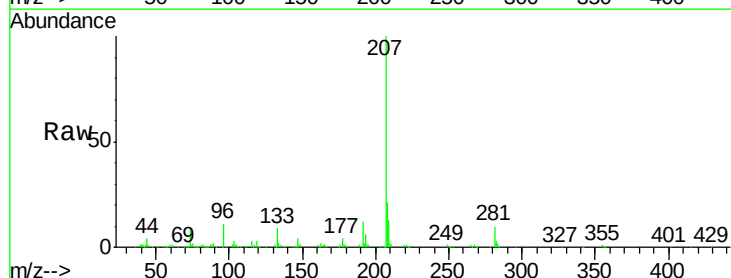
Tgt Ion:278 Resp: 119

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.6#

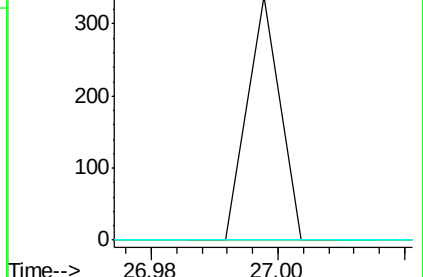
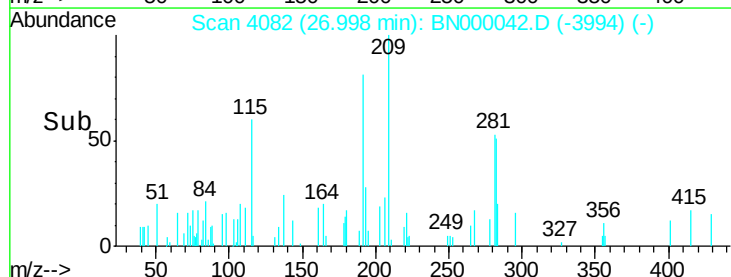
279 0.0 18.4 27.6#

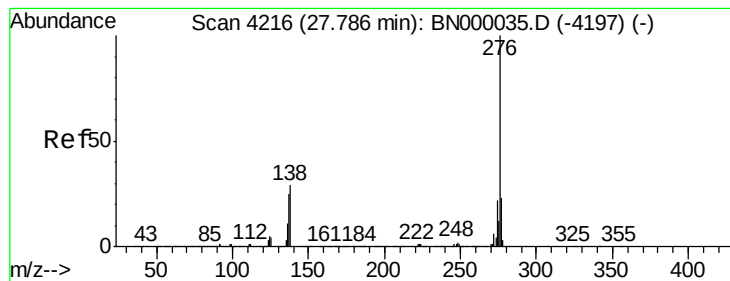


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng

RT: 27.78 min Scan# 4215

Delta R.T. -0.01 min

Lab File: BN000042.D

Acq: 07 Feb 2018 19:15

Instrument :

BNA_N

ClientSampleId :

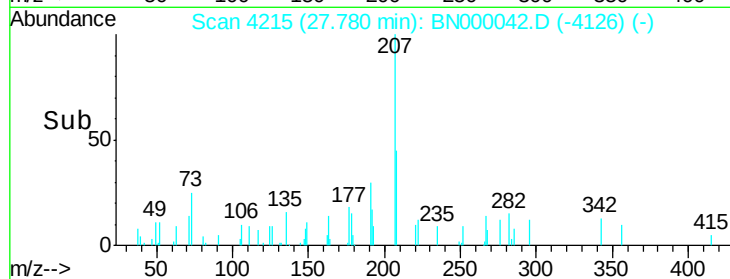
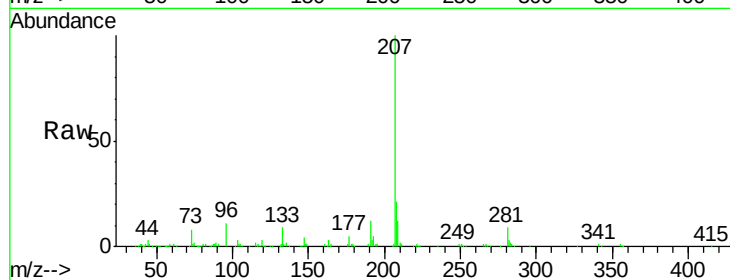
Tot Ion:276 Resp: 671

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

