

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003454.D
 Acq On : 07 Nov 2018 16:35
 Operator : MJ/SJ
 Sample : J5829-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:32:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 07 08:25:32 2018
 Response via : Initial Calibration

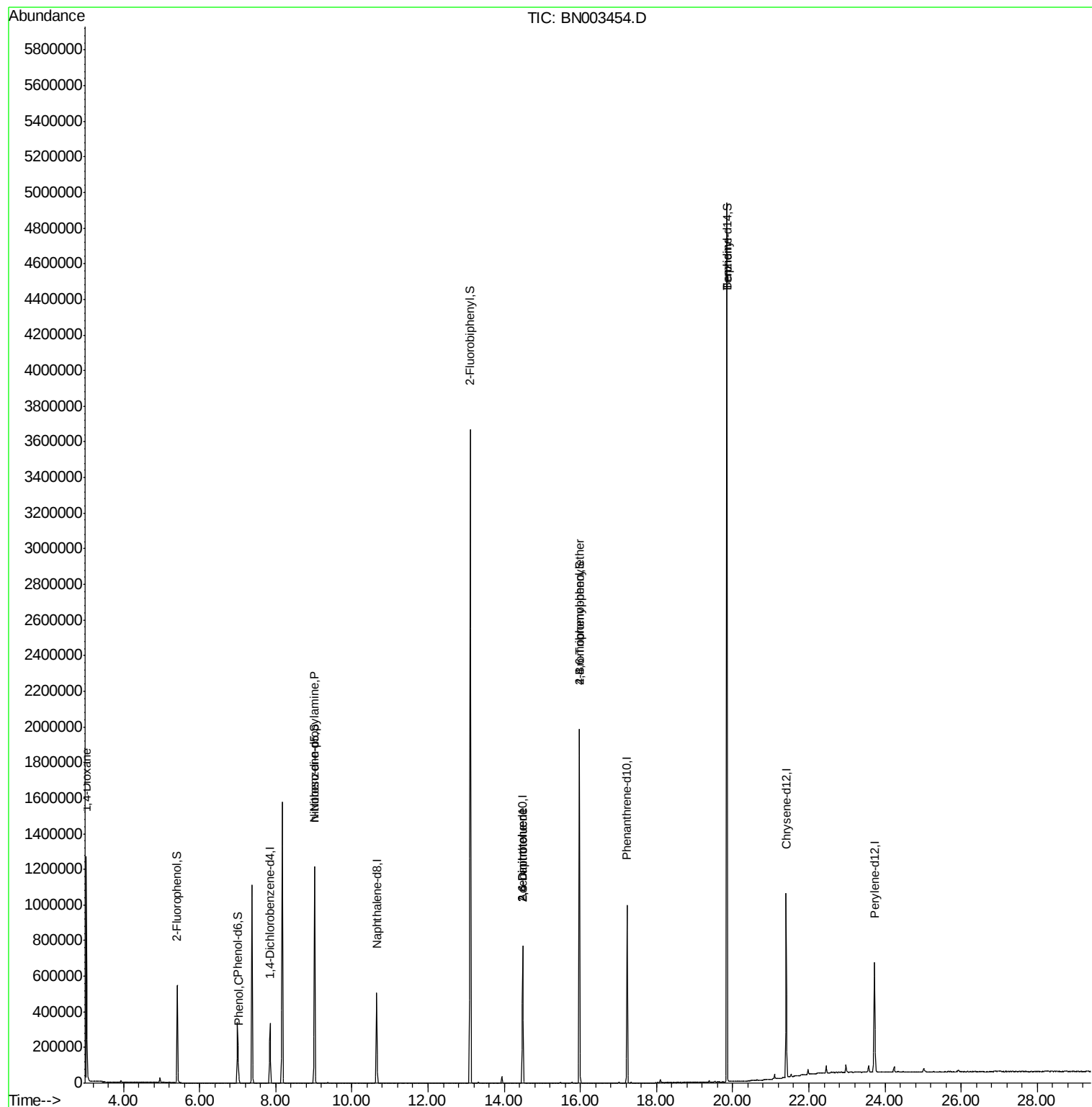
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	95001	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	424565	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	260753	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	572432	20.00	ng	0.00
76) Chrysene-d12	21.40	240	460108	20.00	ng	0.00
87) Perylene-d12	23.72	264	450712	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	249461	45.74	ng	0.00
7) Phenol-d6	7.00	99	201270	25.95	ng	-0.01
23) Nitrobenzene-d5	9.02	82	710555	95.98	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	403854	115.02	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	1971636	102.56	ng	0.00
79) Terphenyl-d14	19.85	244	2413601	112.18	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.03	88	9845	3.802	ng	# 1
10) Phenol	7.03	94	25197	3.079	ng	# 95
19) n-Nitroso-di-n-propylamine	9.02	70	89265	15.961	ng	# 76
51) 2,6-Dinitrotoluene	14.49	165	33403	6.980	ng	# 28
57) 2,4-Dinitrotoluene	14.49	165	33403	5.148	ng	# 19
67) 4-Bromophenyl-phenylether	15.97	248	26039	4.039	ng	# 1
77) Benzidine	19.85	184	29087	2.159	ng	# 93

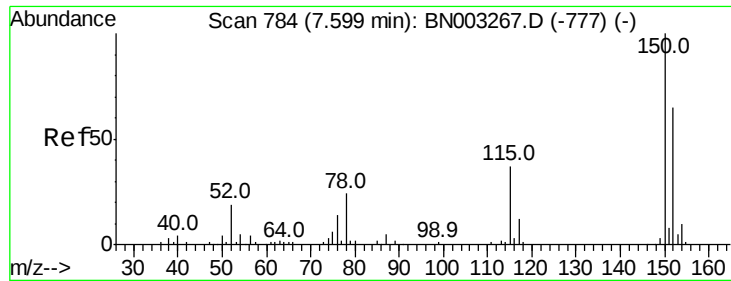
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.85 min Scan# 827

Delta R.T. 0.00 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Instrument :

BNA_N

ClientSampleId :

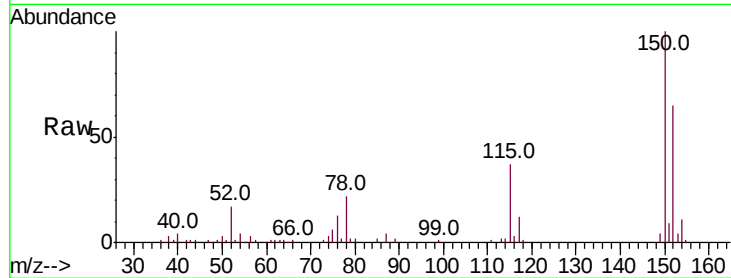
Tot Ion:152 Resp: 95001

Ion Ratio Lower Upper

152 100

150 154.5 123.8 185.8

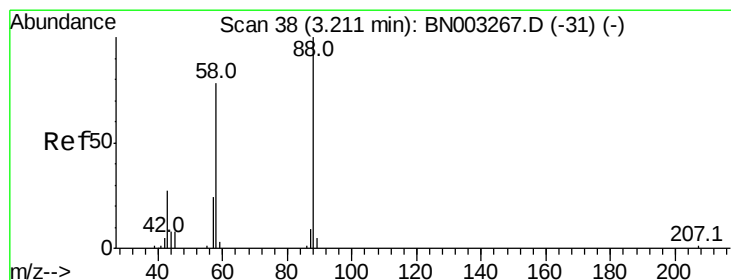
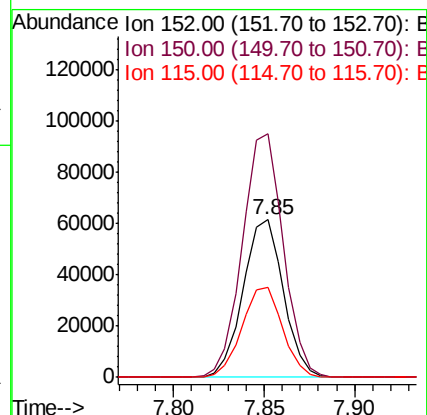
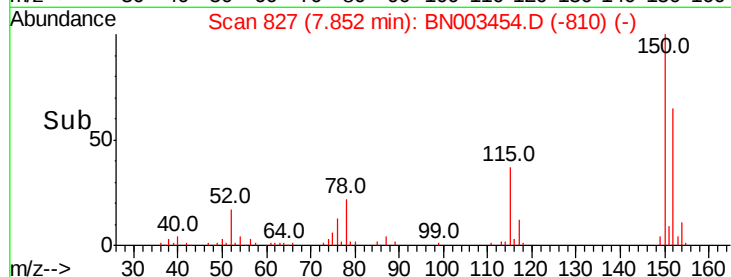
115 57.2 45.9 68.9



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: 3.802 ng

RT: 3.03 min Scan# 7

Delta R.T. -0.31 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

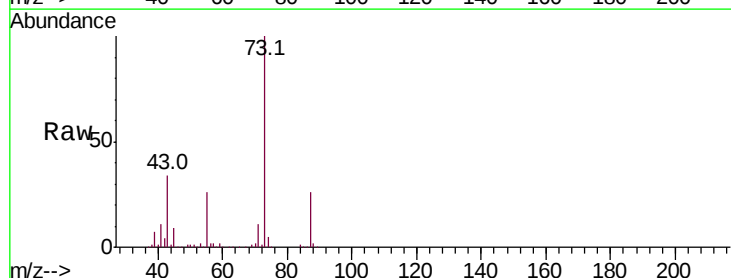
Tgt Ion: 88 Resp: 9845

Ion Ratio Lower Upper

88 100

58 24.4 61.1 91.7#

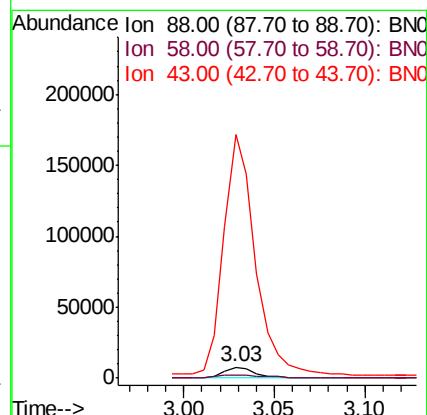
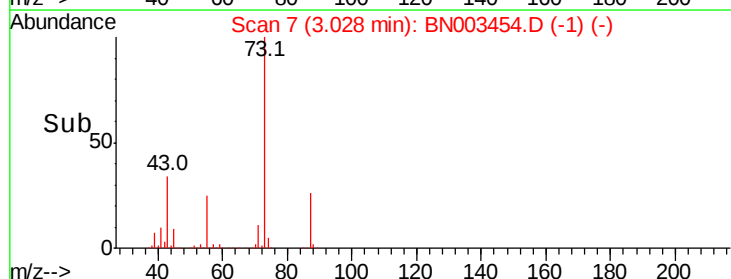
43 2119.1 22.2 33.4#

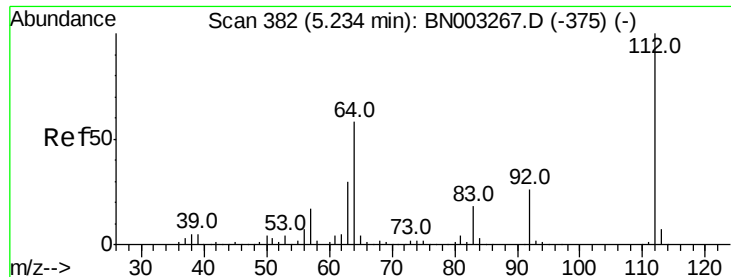


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#5

2-Fluorophenol

Concen: 45.736 ng

RT: 5.42 min Scan# 413

Delta R.T. 0.01 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Instrument :

BNA_N

ClientSampled :

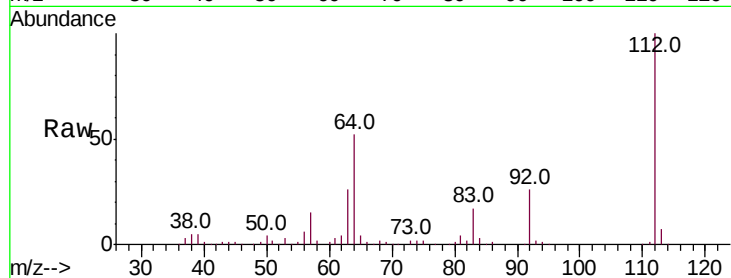
Tot Ion:112 Resp: 249461

Ion Ratio Lower Upper

112 100

64 52.4 46.6 69.8

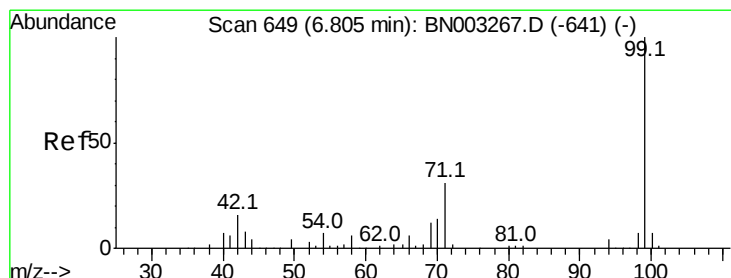
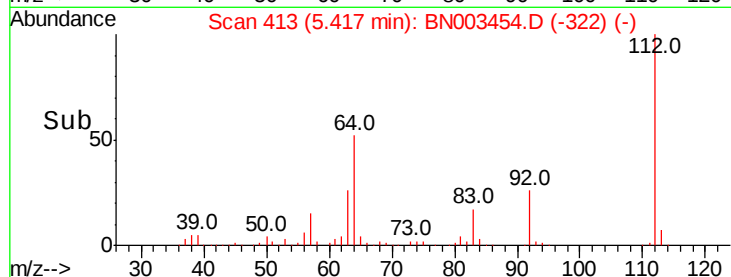
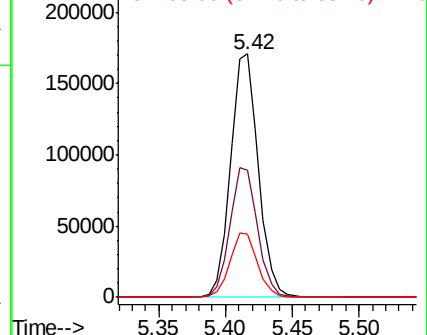
63 26.0 23.8 35.8



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



#7

Phenol-d6

Concen: 25.951 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

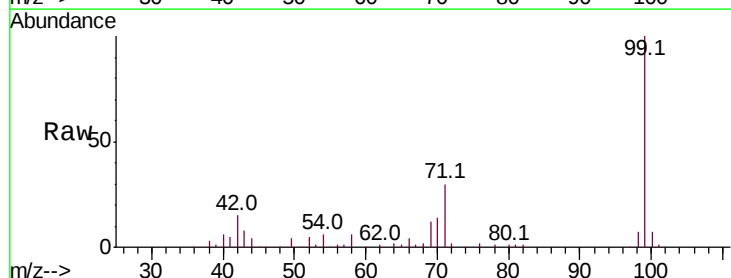
Tgt Ion: 99 Resp: 201270

Ion Ratio Lower Upper

99 100

42 15.0 13.0 19.6

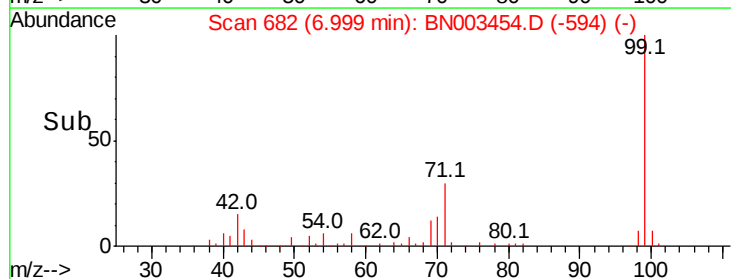
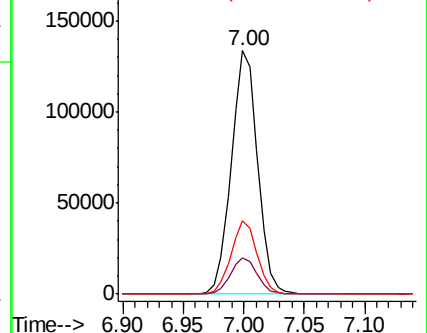
71 30.1 24.5 36.7

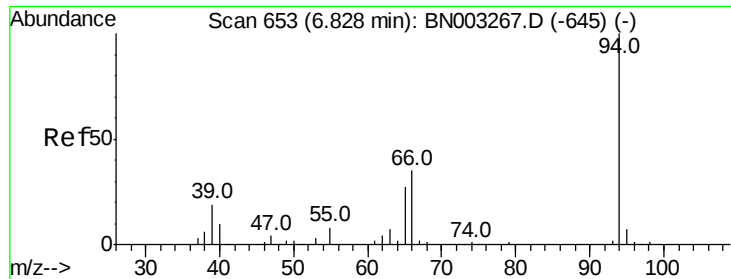


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#10

Phenol

Concen: 3.079 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Instrument :

BNA_N

ClientSampleId :

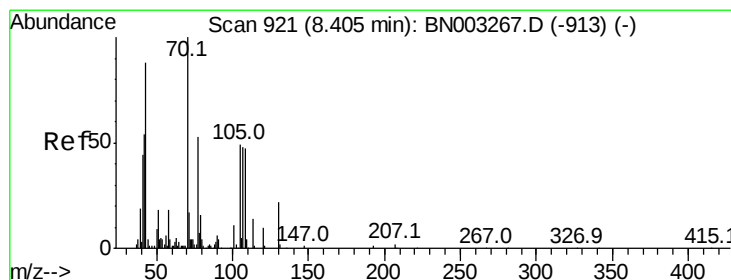
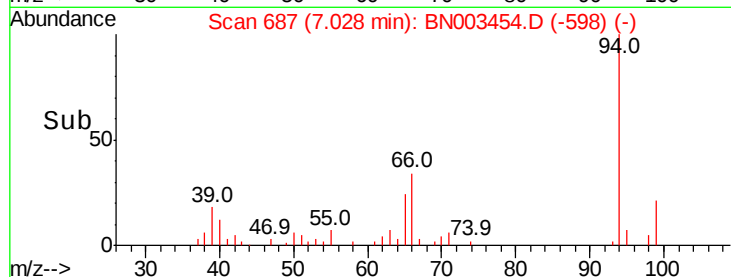
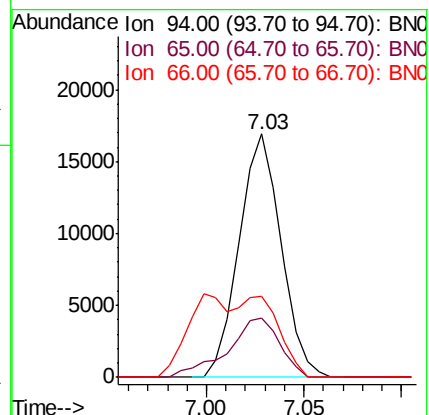
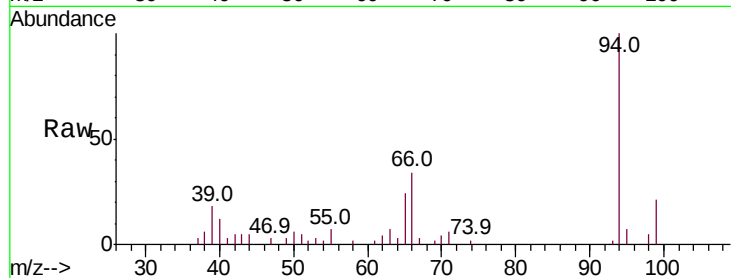
Tot Ion: 94 Resp: 25197

Ion Ratio Lower Upper

94 100

65 24.3 7.7 47.7

66 33.5 15.8 55.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.961 ng

RT: 9.02 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Tgt Ion: 70 Resp: 89265

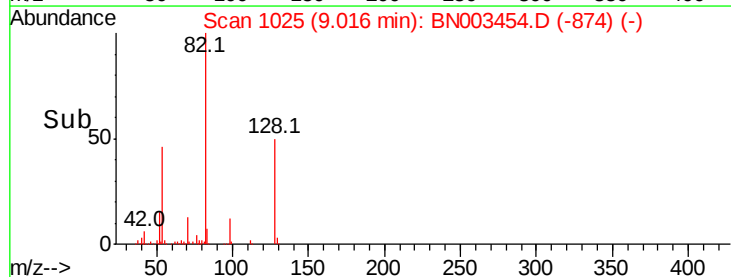
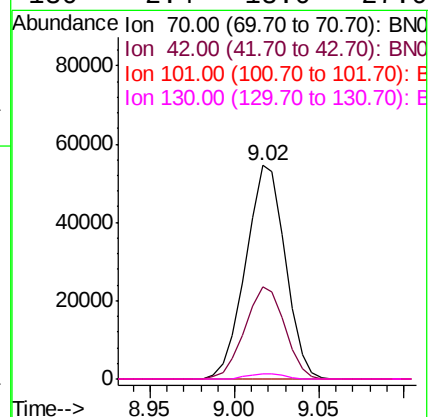
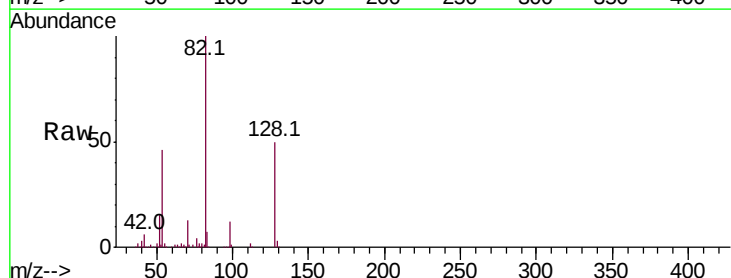
Ion Ratio Lower Upper

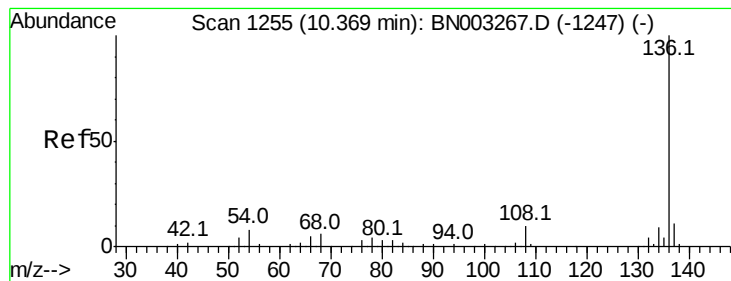
70 100

42 43.3 43.5 65.3#

101 0.0 8.6 12.8#

130 2.4 18.0 27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.65 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 424565

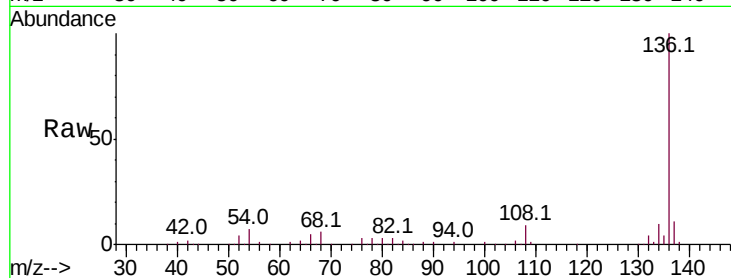
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.2 6.6 10.0

68 6.1 4.6 7.0

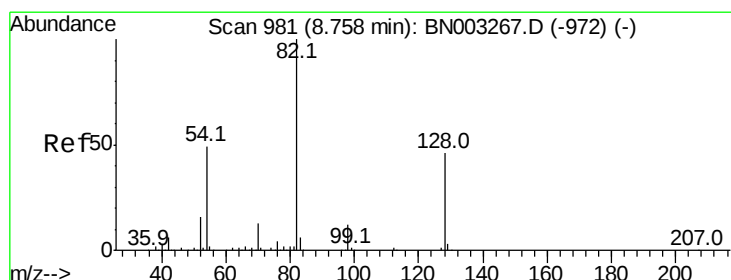
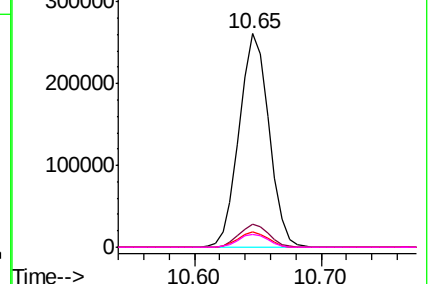
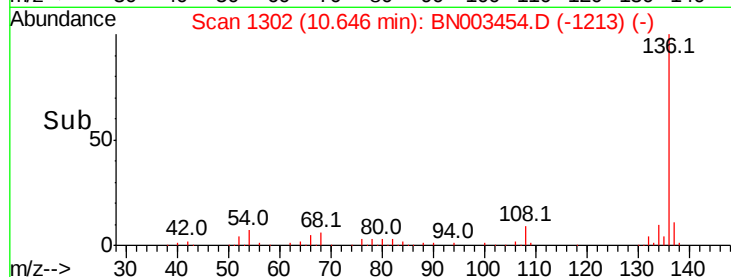


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 95.980 ng

RT: 9.02 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

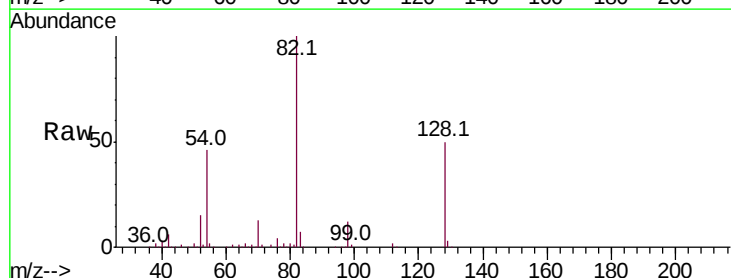
Tgt Ion: 82 Resp: 710555

Ion Ratio Lower Upper

82 100

128 50.5 37.1 55.7

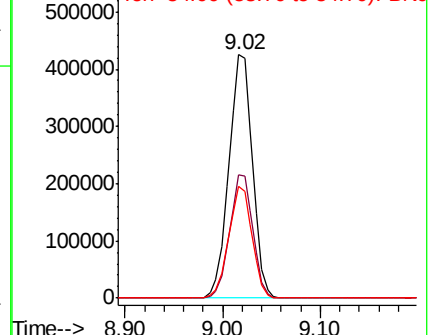
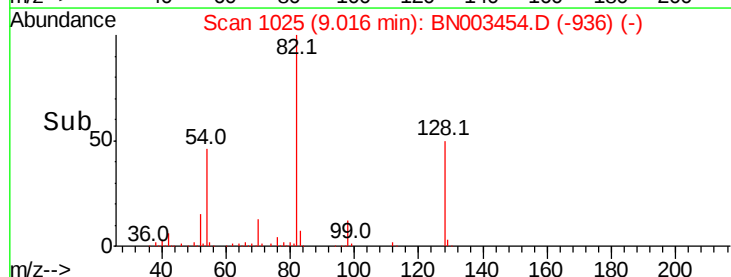
54 45.7 39.4 59.2

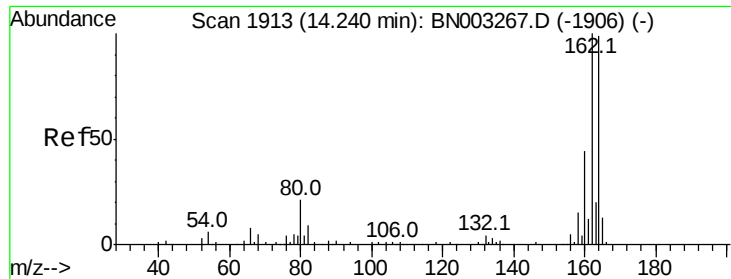


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Instrument :

BNA_N

ClientSampled :

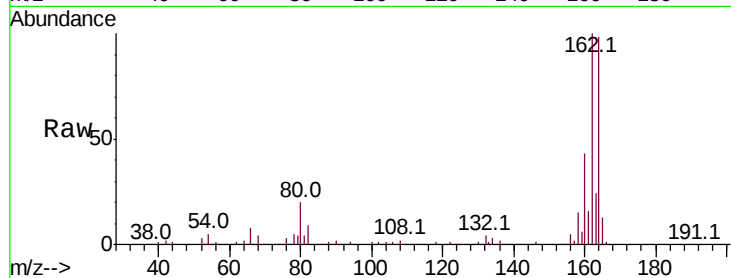
Tot Ion:164 Resp: 260753

Ion Ratio Lower Upper

164 100

162 102.3 80.8 121.2

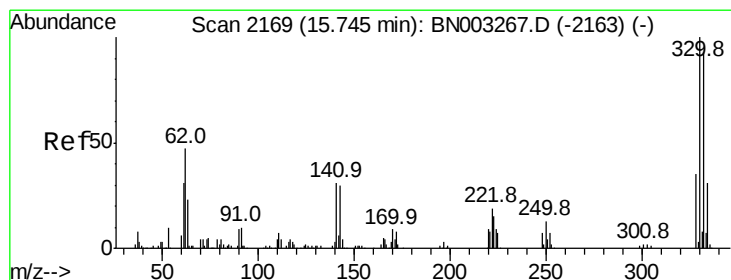
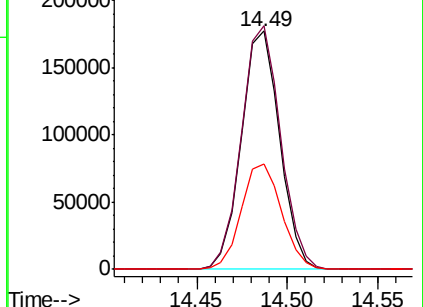
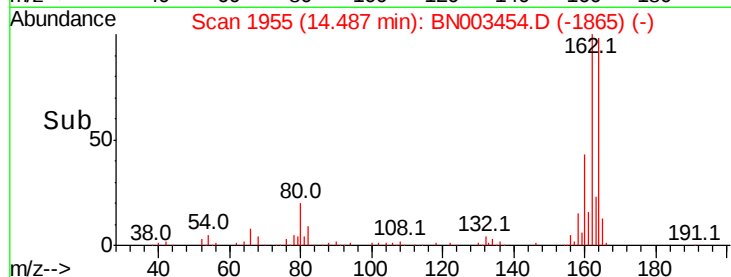
160 44.5 35.5 53.3



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



#42

2,4,6-Tribromophenol

Concen: 115.021 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

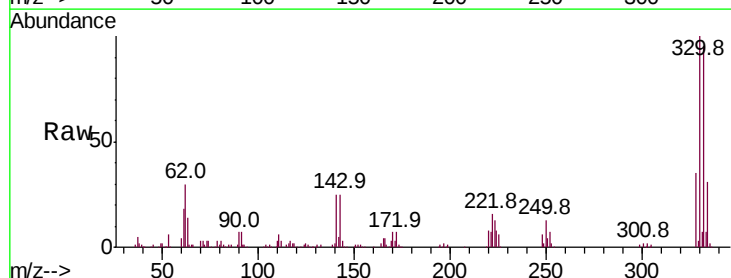
Tgt Ion:330 Resp: 403854

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

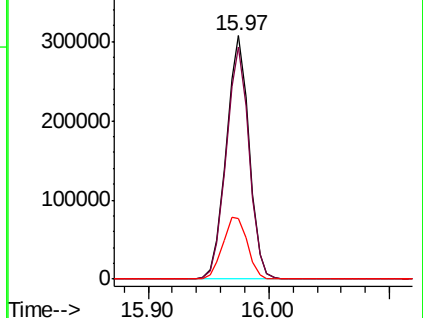
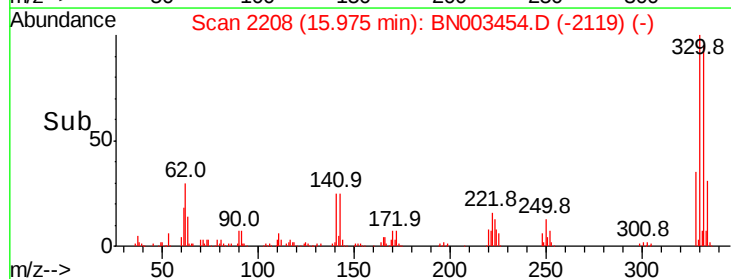
141 27.4 24.5 36.7

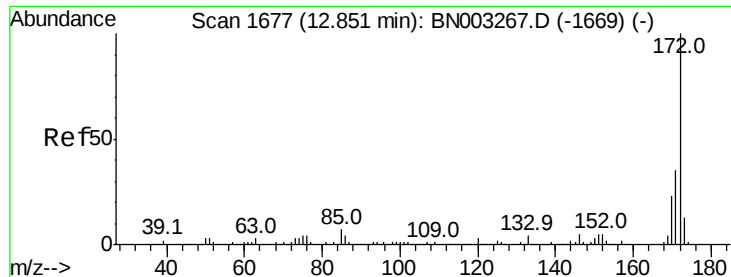


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



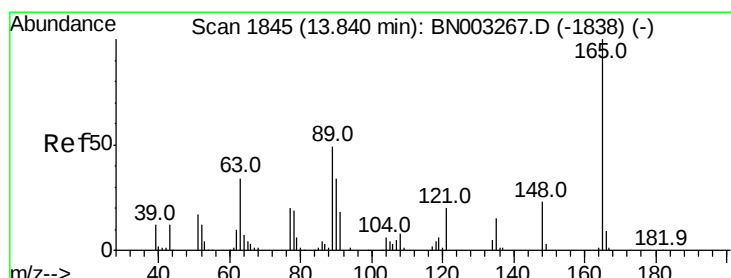
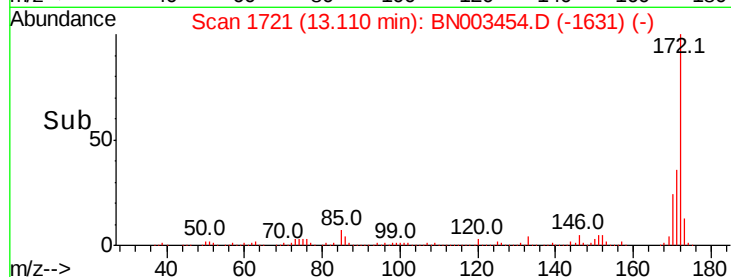
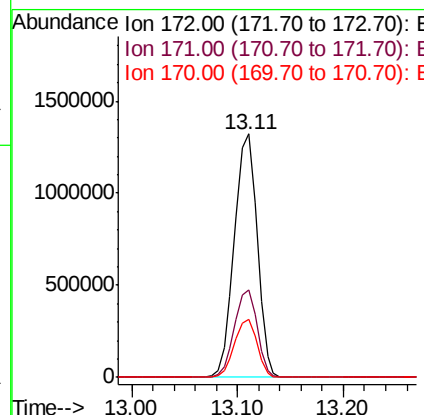
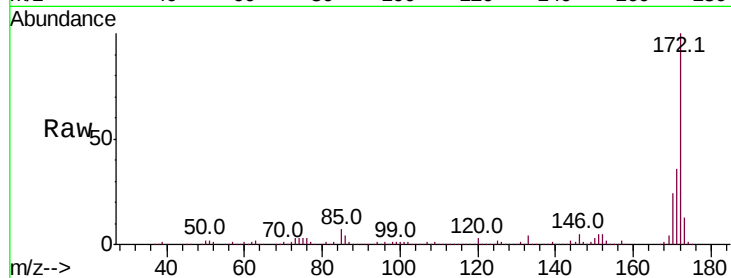


#45
 2-Fluorobiphenyl
 Concen: 102.564 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BN003454.D
 Acq: 07 Nov 2018 16:35

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 1971636

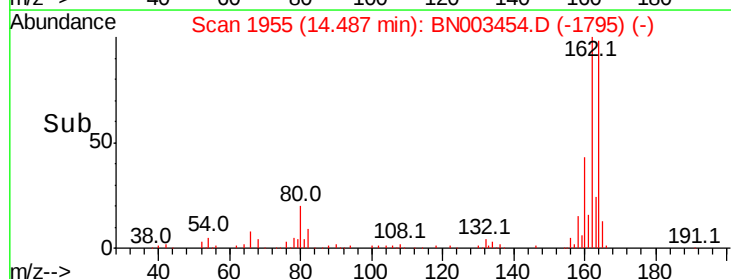
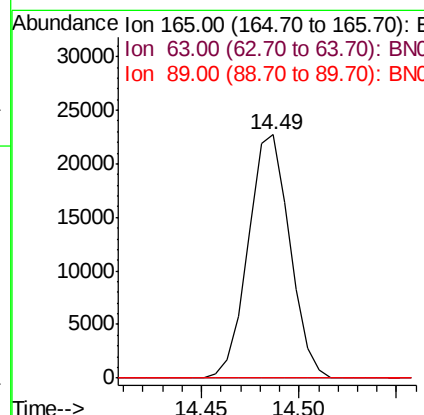
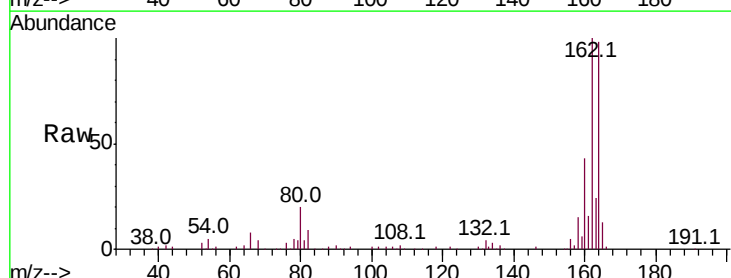
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	23.6	18.4	27.6

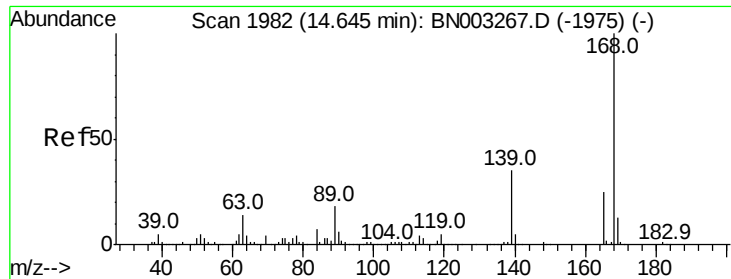


#51
 2,6-Dinitrotoluene
 Concen: 6.980 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003454.D
 Acq: 07 Nov 2018 16:35

Tgt Ion:165 Resp: 33403

Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.2	58.8#
89	0.0	38.9	58.3#

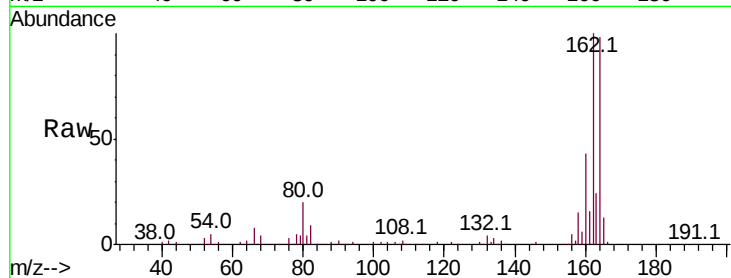




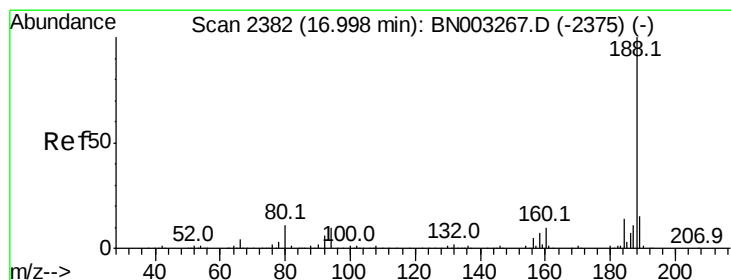
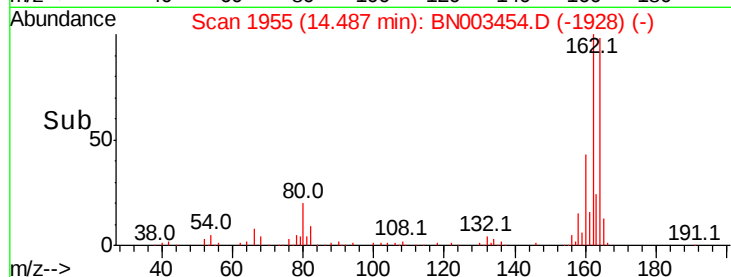
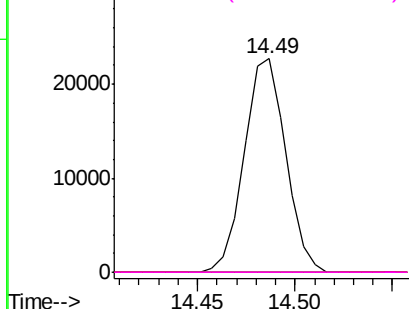
#57
 2,4-Dinitrotoluene
 Concen: 5.148 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BN003454.D
 Acq: 07 Nov 2018 16:35

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 33403
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.6#
 89 0.0 58.7 88.1#
 182 0.0 2.3 3.5#

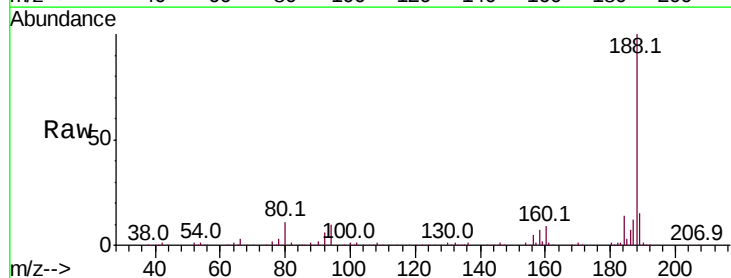


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

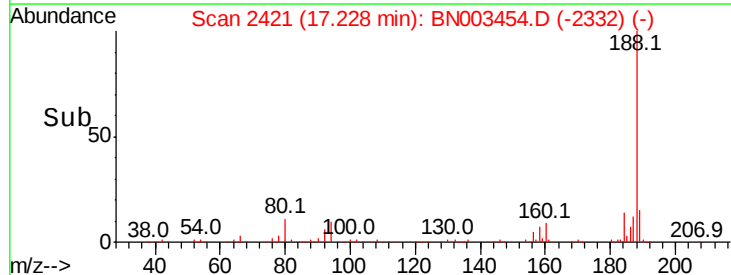
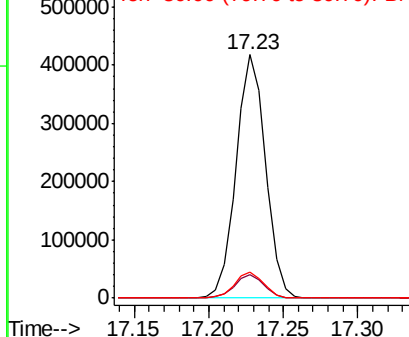


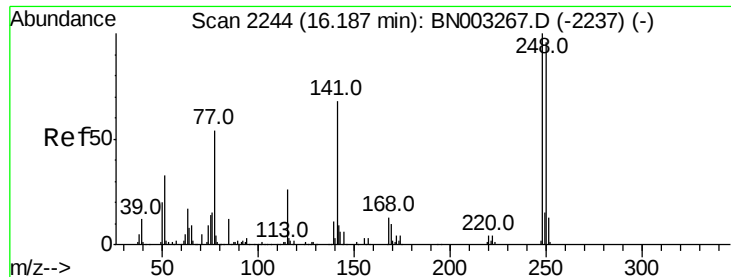
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.23 min Scan# 2421
 Delta R.T. -0.01 min
 Lab File: BN003454.D
 Acq: 07 Nov 2018 16:35

Tgt Ion:188 Resp: 572432
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.1 12.1
 80 10.6 8.6 13.0



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





#67

4-Bromophenyl-phenylether

Concen: 4.039 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Instrument :

BNA_N

ClientSampleId :

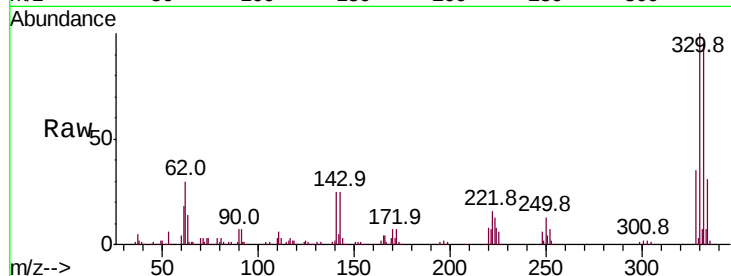
Tot Ion:248 Resp: 26039

Ion Ratio Lower Upper

248 100

250 201.8 76.4 114.6#

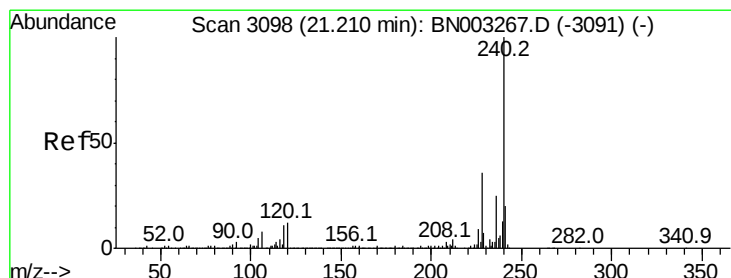
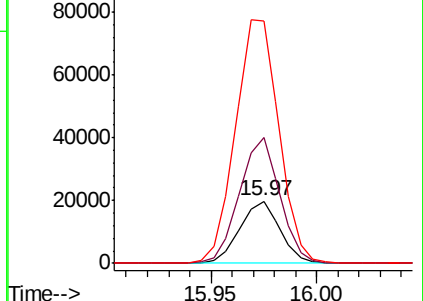
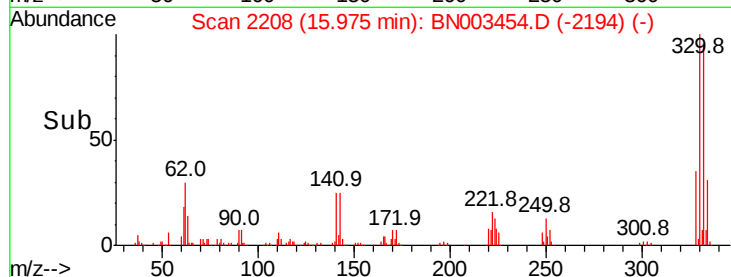
141 389.6 54.2 81.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.40 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

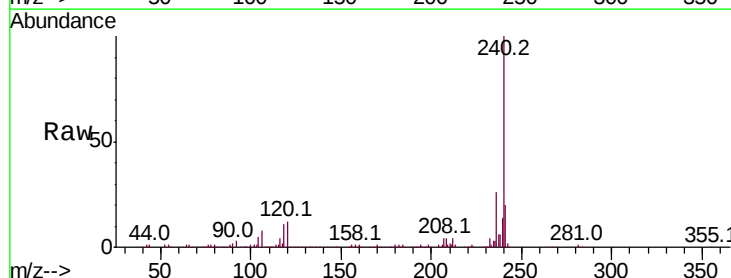
Tgt Ion:240 Resp: 460108

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.0

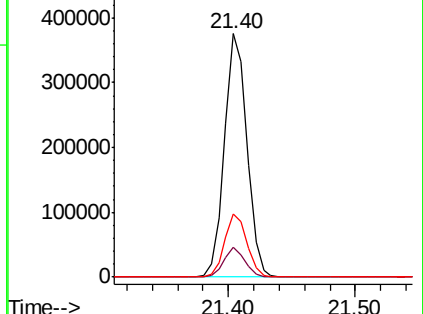
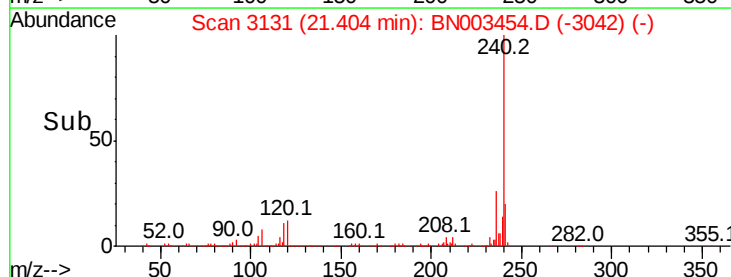
236 26.0 20.3 30.5

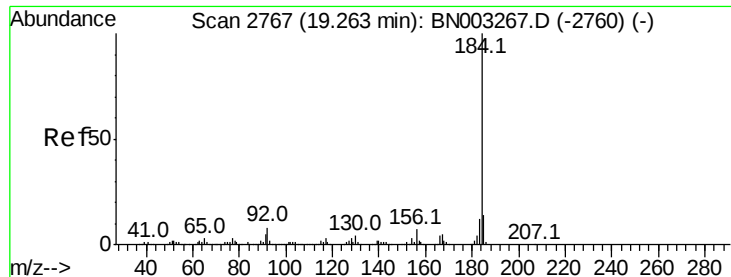


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.159 ng

RT: 19.85 min Scan# 2866

Delta R.T. 0.37 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

Instrument :

BNA_N

ClientSampleId :

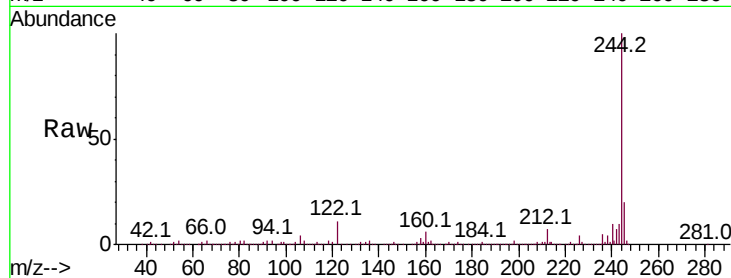
Tot Ion:184 Resp: 29087

Ion Ratio Lower Upper

184 100

185 16.1 11.5 17.3

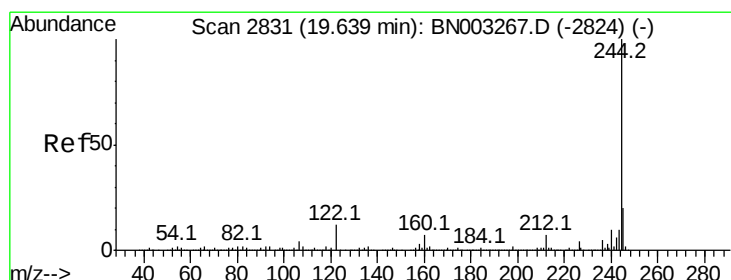
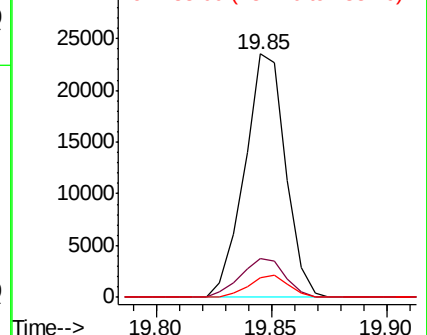
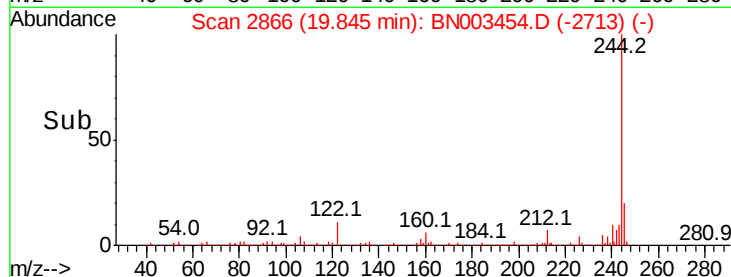
183 8.1 9.4 14.0#



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



#79

Terphenyl-d14

Concen: 112.182 ng

RT: 19.85 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BN003454.D

Acq: 07 Nov 2018 16:35

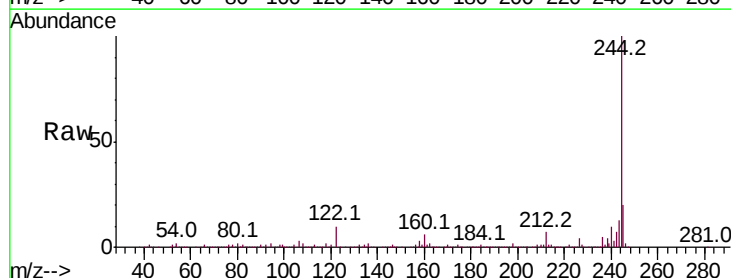
Tgt Ion:244 Resp: 2413601

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

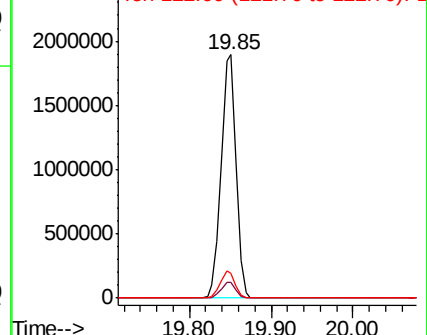
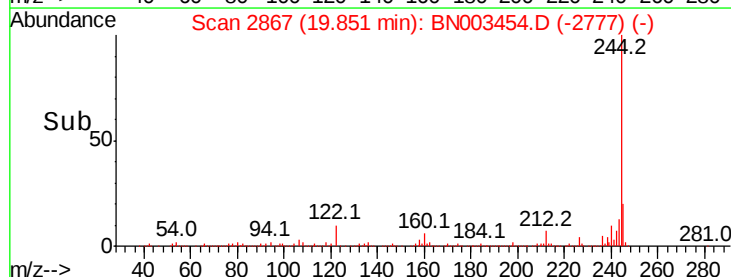
122 10.3 9.4 14.2

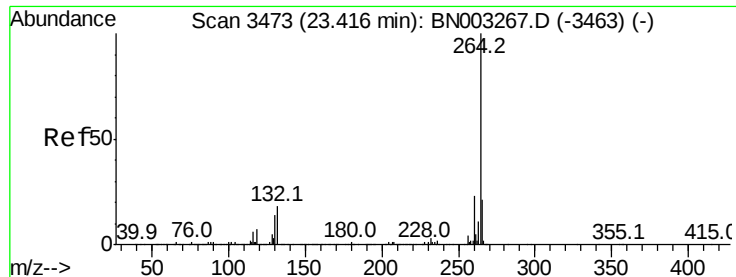


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

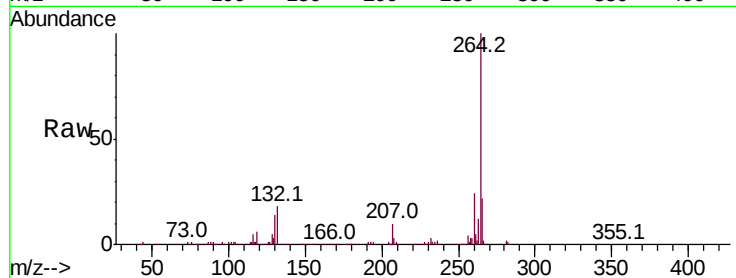




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.72 min Scan# 3525
Delta R.T. -0.01 min
Lab File: BN003454.D
Acq: 07 Nov 2018 16:35

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.8	16.6	25.0



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

