

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003460.D
 Acq On : 07 Nov 2018 20:05
 Operator : MJ/SJ
 Sample : J5829-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:33:20 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	110972	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	495295	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	301262	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	668888	20.00	ng	0.00
76) Chrysene-d12	21.40	240	526744	20.00	ng	0.00
87) Perylene-d12	23.72	264	508979	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	272987	42.85	ng	0.00
7) Phenol-d6	7.00	99	217118	23.97	ng	-0.01
23) Nitrobenzene-d5	9.02	82	773074	89.51	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	441587	108.86	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	2133701	96.07	ng	0.00
79) Terphenyl-d14	19.85	244	2618499	106.31	ng	0.00

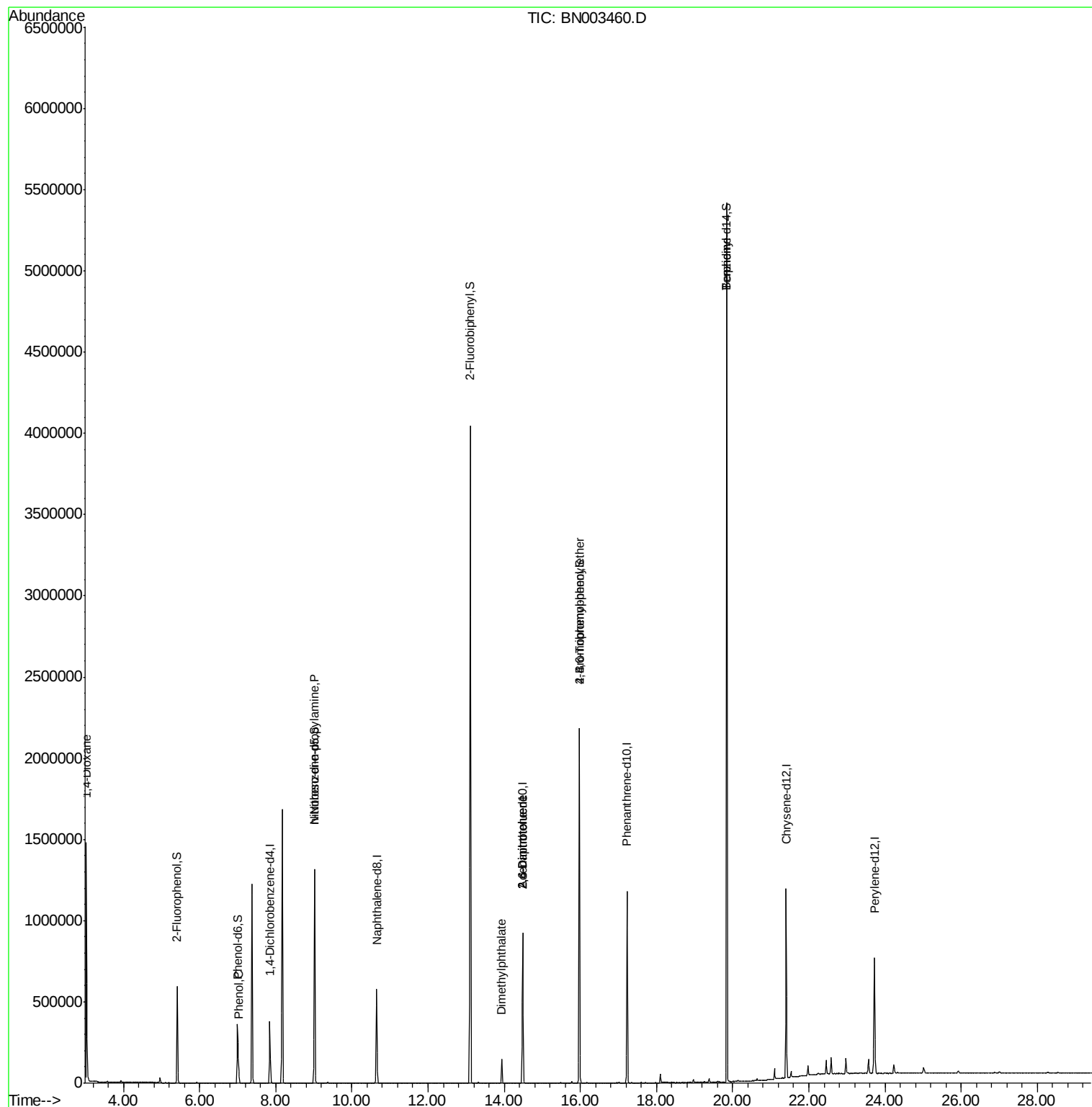
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	11173	3.693	ng	# 1
10) Phenol	7.03	94	51418	5.378	ng	95
19) n-Nitroso-di-n-propylamine	9.02	70	98446	15.069	ng	# 76
50) Dimethylphthalate	13.94	163	99776	4.096	ng	99
51) 2,6-Dinitrotoluene	14.49	165	39090	7.070	ng	# 29
57) 2,4-Dinitrotoluene	14.49	165	39090	5.215	ng	# 19
67) 4-Bromophenyl-phenylether	15.97	248	29184	3.874	ng	# 1
77) Benzidine	19.85	184	31651	2.053	ng	# 92

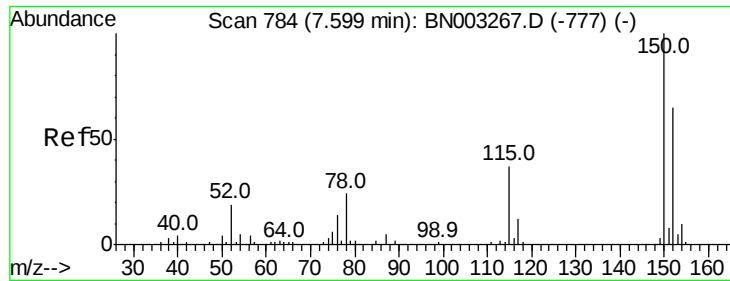
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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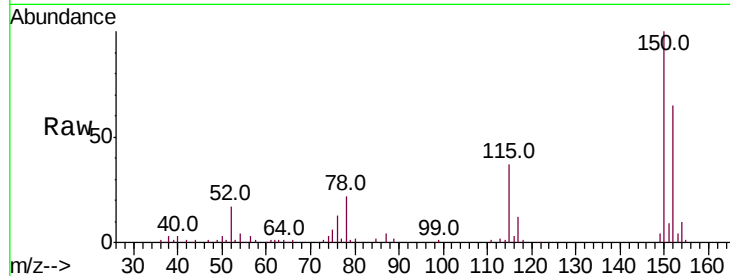


#1

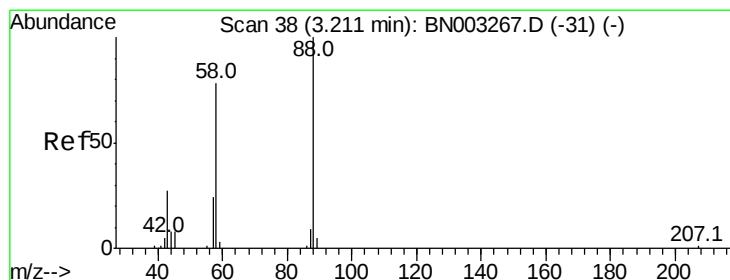
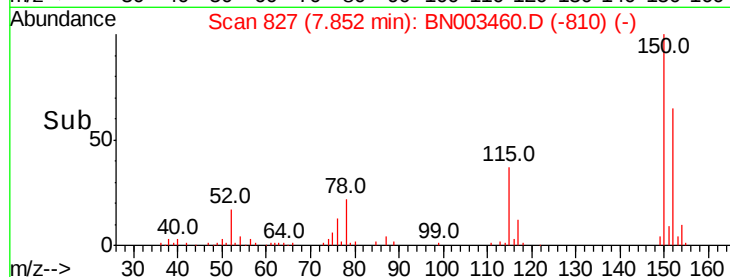
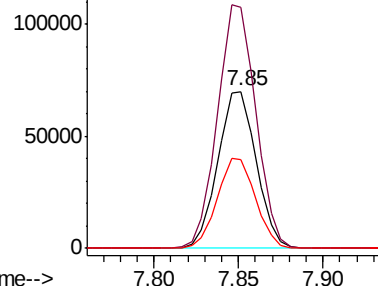
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 827
Delta R.T. 0.00 min
Lab File: BN003460.D
Acq: 07 Nov 2018 20:05

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 110972
Ion Ratio Lower Upper
152 100
150 154.0 123.8 185.8
115 56.3 45.9 68.9



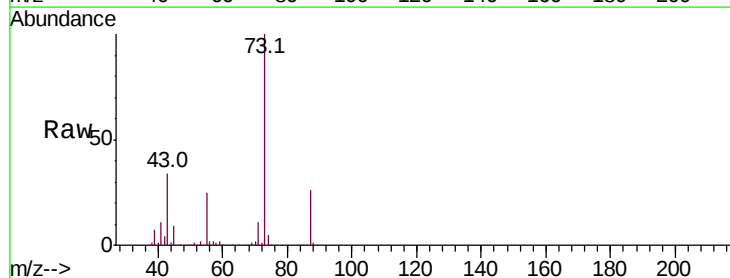
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



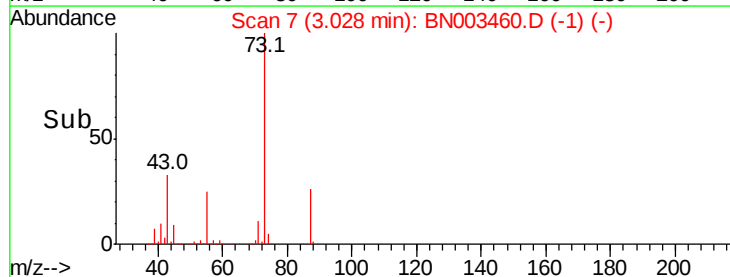
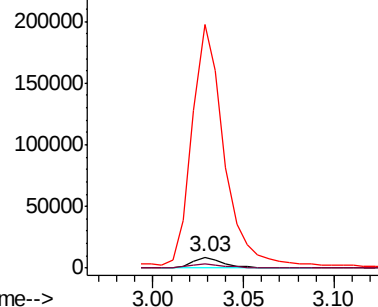
#2

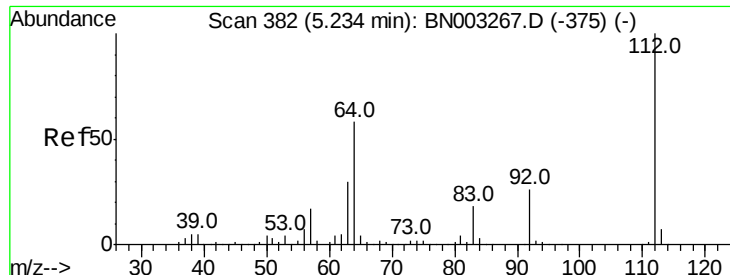
1,4-Dioxane
Concen: 3.693 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003460.D
Acq: 07 Nov 2018 20:05

Tgt Ion: 88 Resp: 11173
Ion Ratio Lower Upper
88 100
58 22.3 61.1 91.7#
43 2162.2 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: 42.846 ng

RT: 5.42 min Scan# 413

Delta R.T. 0.01 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

Instrument :

BNA_N

ClientSampled :

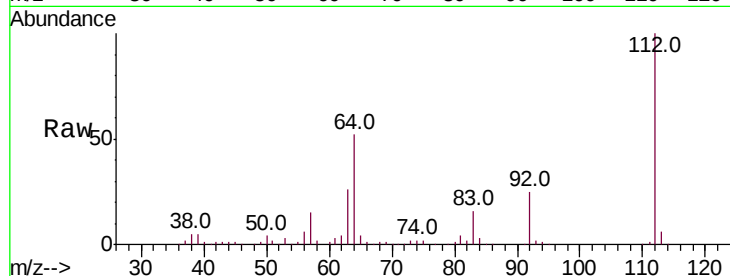
Tot Ion:112 Resp: 272987

Ion Ratio Lower Upper

112 100

64 52.4 46.6 69.8

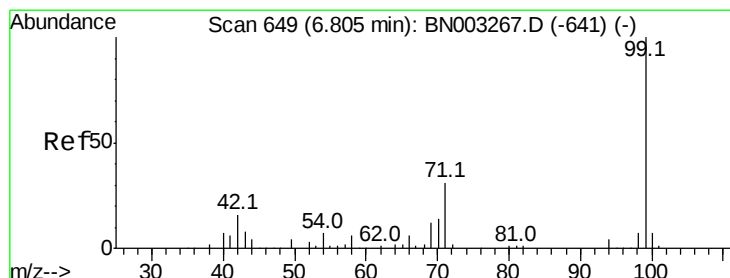
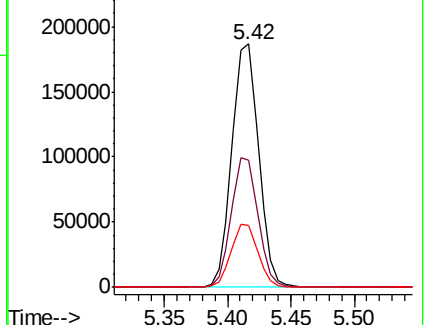
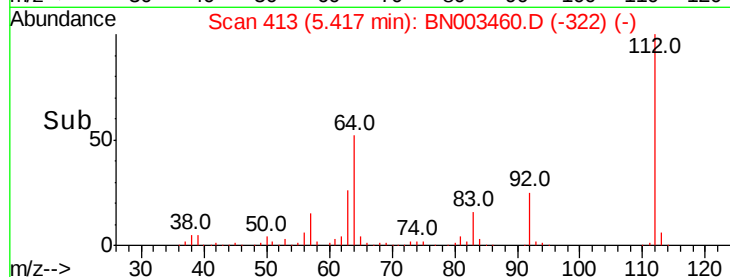
63 25.6 23.8 35.8



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: 23.965 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

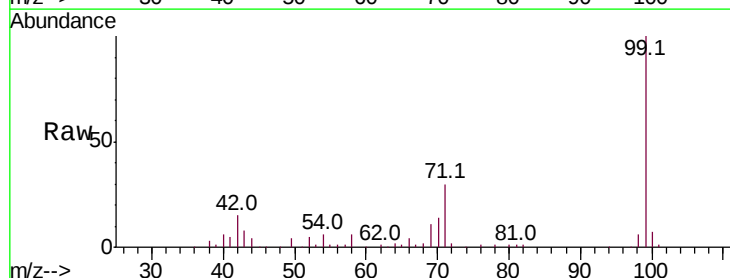
Tgt Ion: 99 Resp: 217118

Ion Ratio Lower Upper

99 100

42 15.4 13.0 19.6

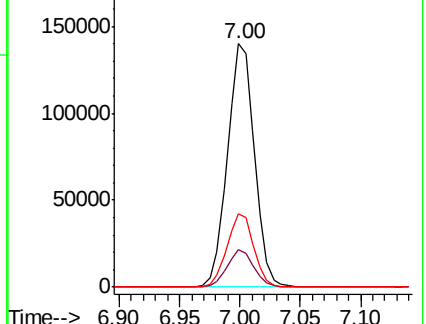
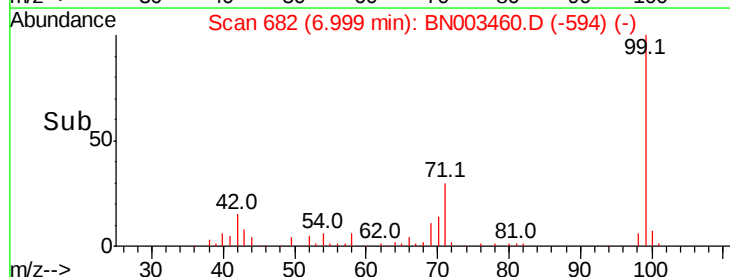
71 30.1 24.5 36.7

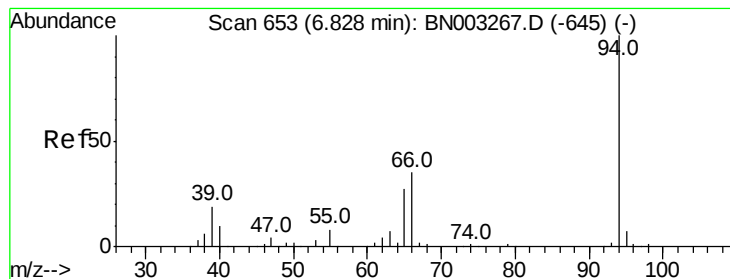


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#10

Phenol

Concen: 5.378 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

Instrument :

BNA_N

ClientSampleId :

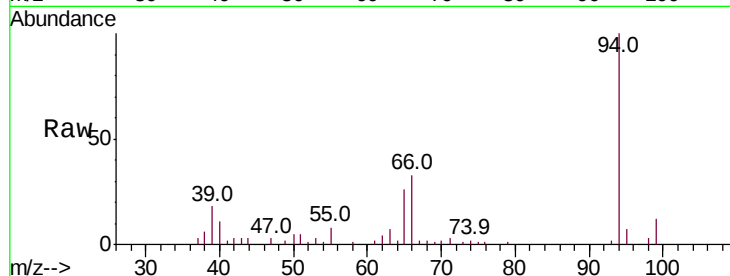
Tot Ion: 94 Resp: 51418

Ion Ratio Lower Upper

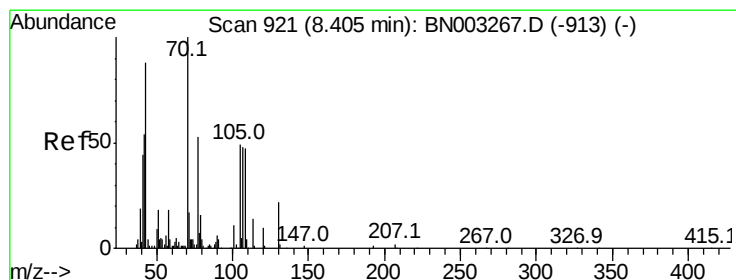
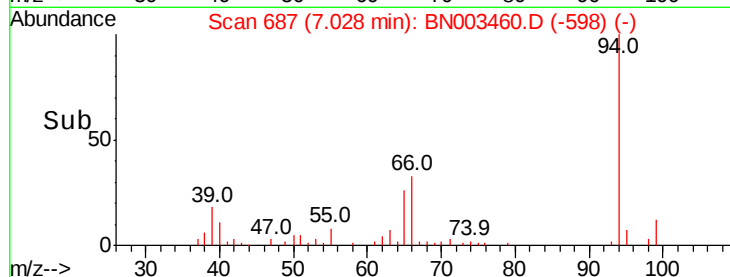
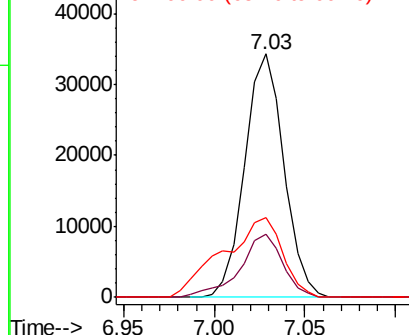
94 100

65 26.0 7.7 47.7

66 32.6 15.8 55.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.069 ng

RT: 9.02 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

Tgt Ion: 70 Resp: 98446

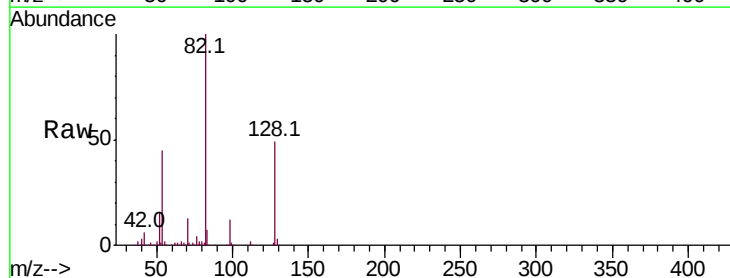
Ion Ratio Lower Upper

70 100

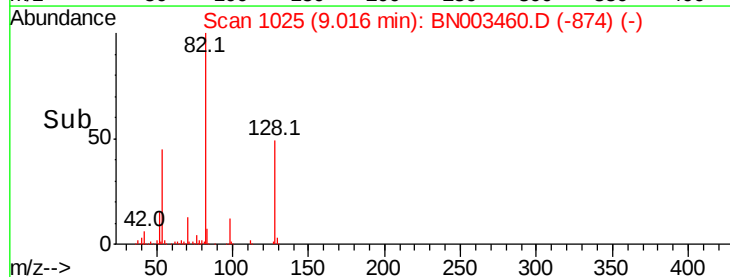
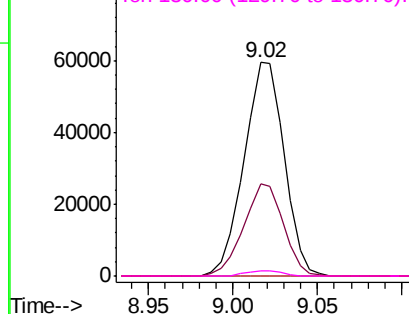
42 43.1 43.5 65.3#

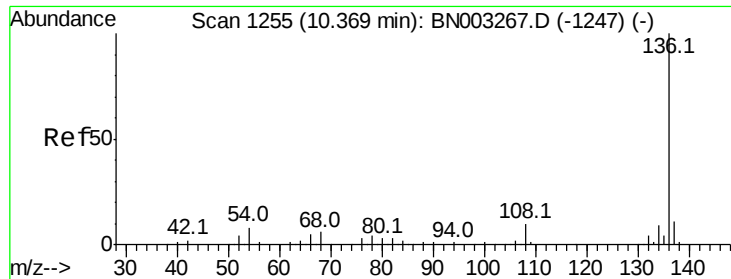
101 0.0 8.6 12.8#

130 2.5 18.0 27.0#



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): BNC
Ion 130.00 (129.70 to 130.70): BNC

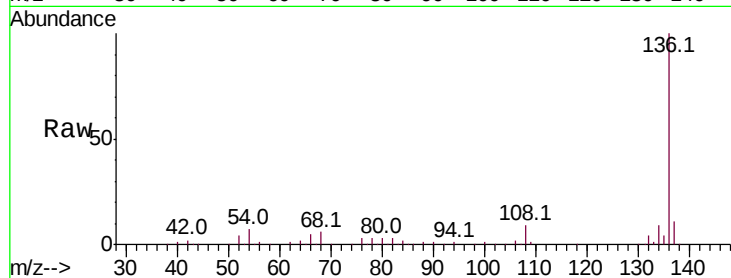




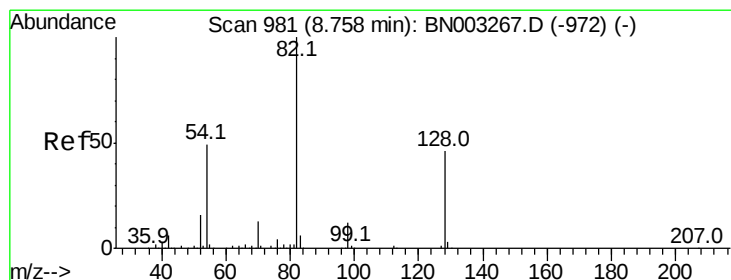
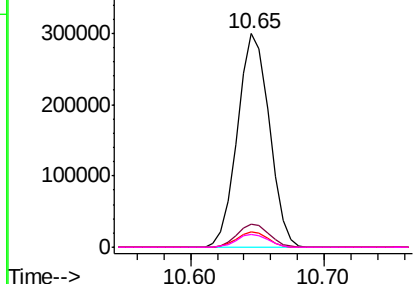
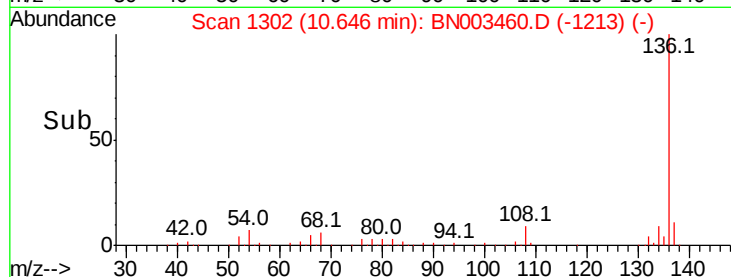
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN003460.D
Acq: 07 Nov 2018 20:05

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	495295
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.7 13.1
54	7.2	6.6 10.0
68	6.2	4.6 7.0

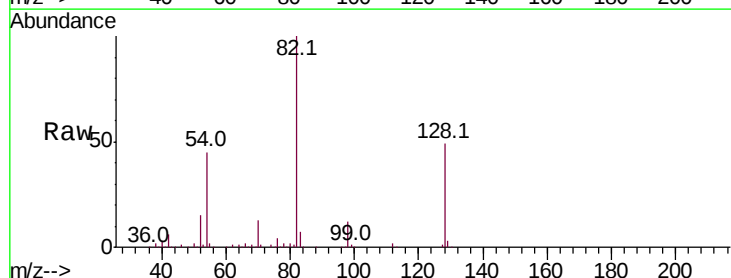


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

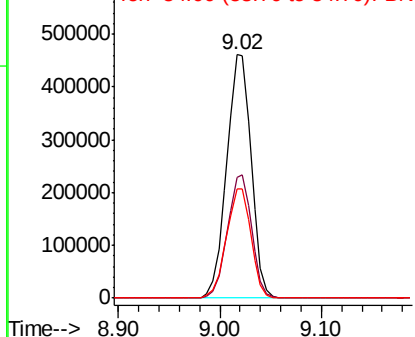
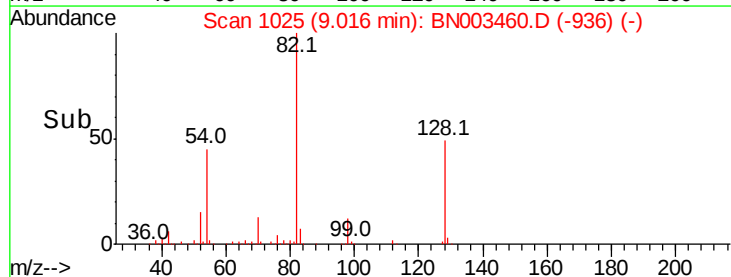


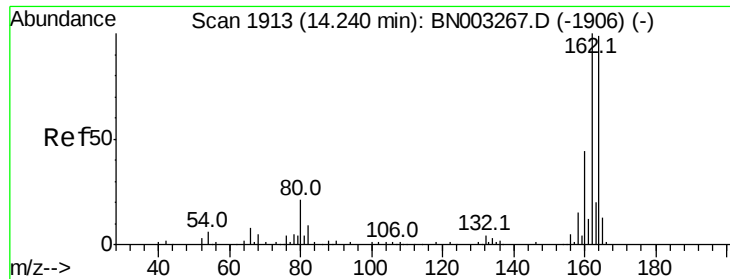
#23
Nitrobenzene-d5
Concen: 89.513 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BN003460.D
Acq: 07 Nov 2018 20:05

Tgt Ion: 82	Resp:	773074
Ion	Ratio	Lower Upper
82	100	
128	49.4	37.1 55.7
54	44.9	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: BN003460.D

Acq: 07 Nov 2018 20:05

Instrument :

BNA_N

ClientSampled :

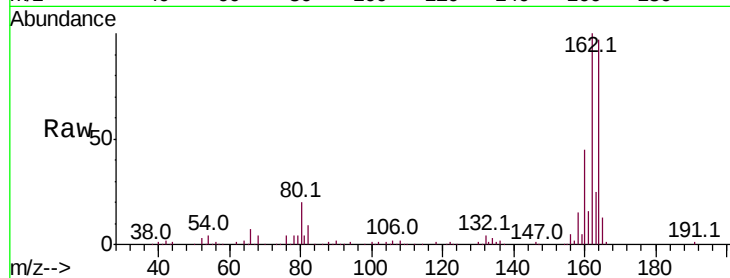
Tot Ion:164 Resp: 301262

Ion Ratio Lower Upper

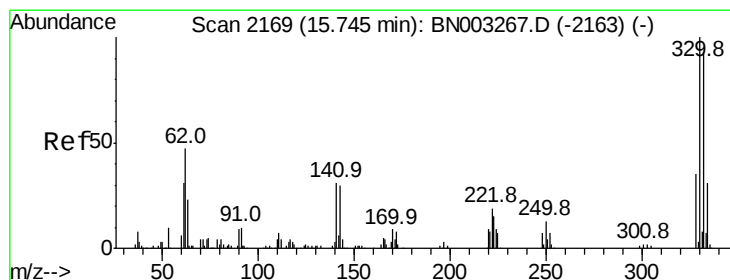
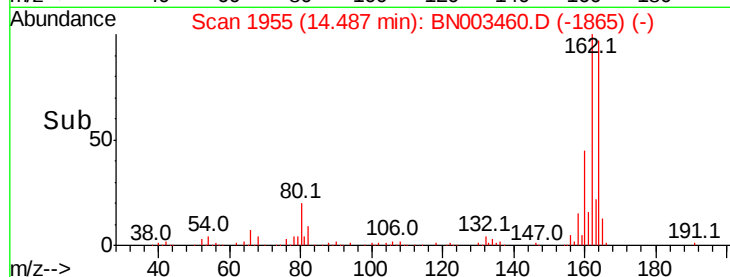
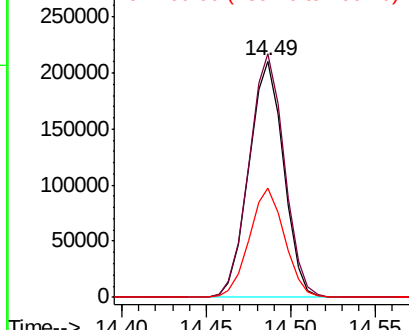
164 100

162 103.2 80.8 121.2

160 46.1 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: 108.857 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

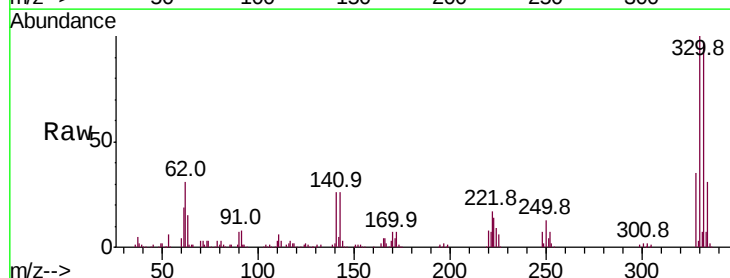
Tgt Ion:330 Resp: 441587

Ion Ratio Lower Upper

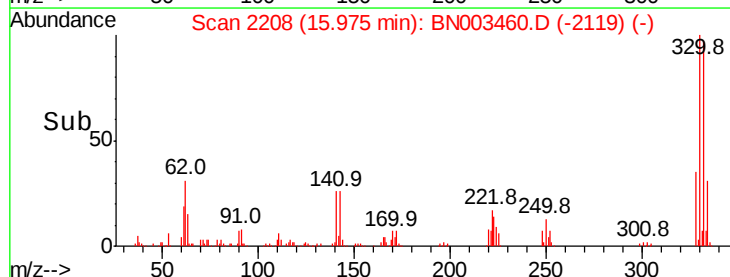
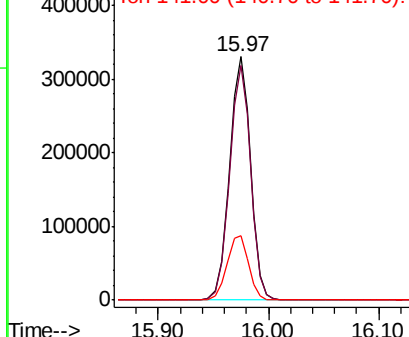
330 100

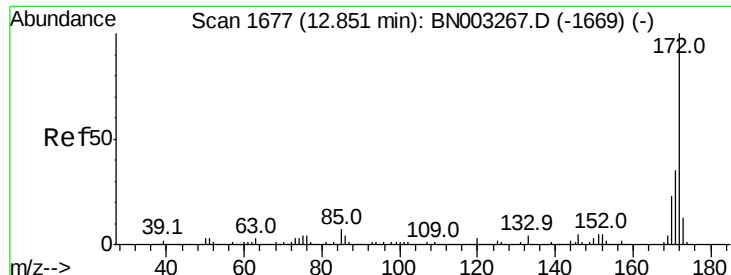
332 96.4 76.6 114.8

141 27.3 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



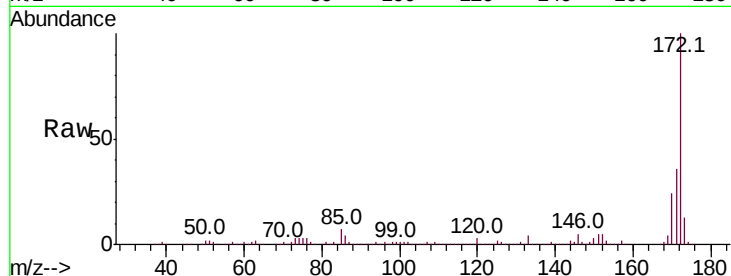


#45
 2-Fluorobiphenyl
 Concen: 96.069 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BN003460.D
 Acq: 07 Nov 2018 20:05

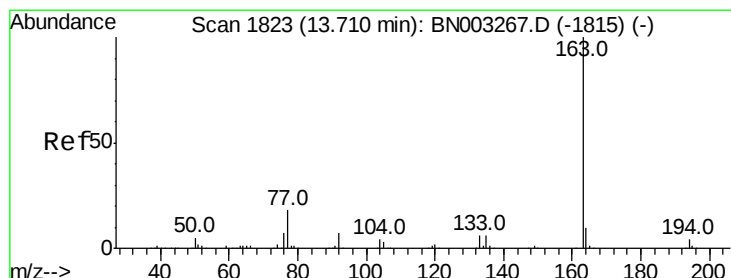
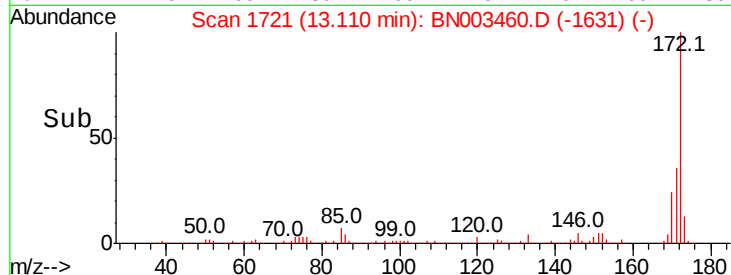
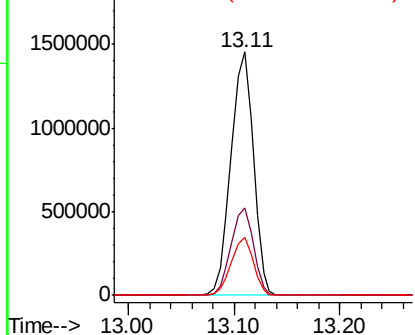
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 2133701

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.4
170	23.7	18.4	27.6



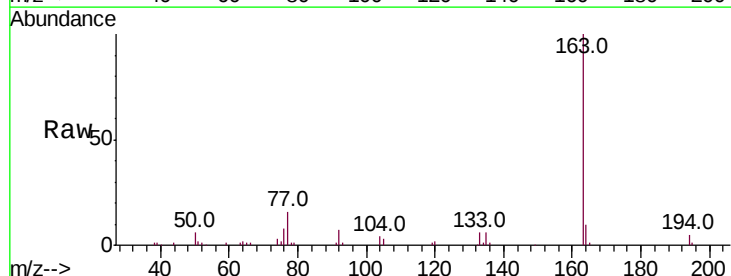
Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



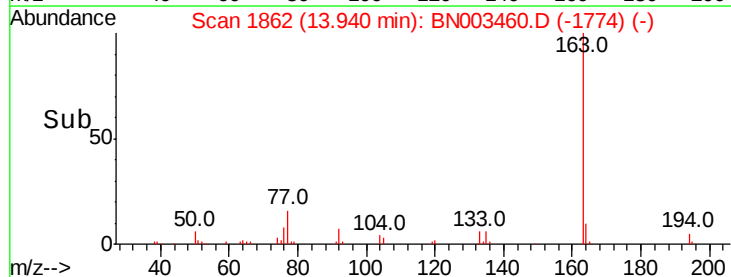
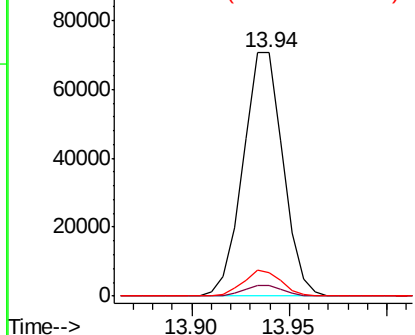
#50
 Dimethylphthalate
 Concen: 4.096 ng
 RT: 13.94 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: BN003460.D
 Acq: 07 Nov 2018 20:05

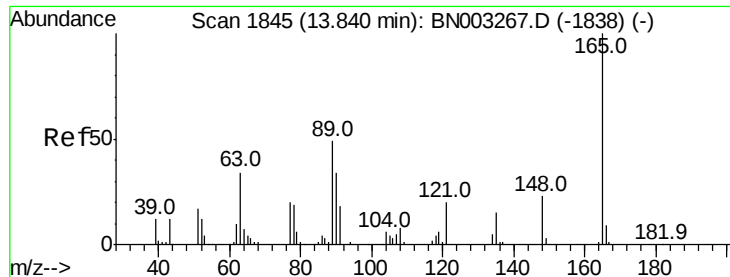
Tgt Ion:163 Resp: 99776

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	9.6	7.9	11.9



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

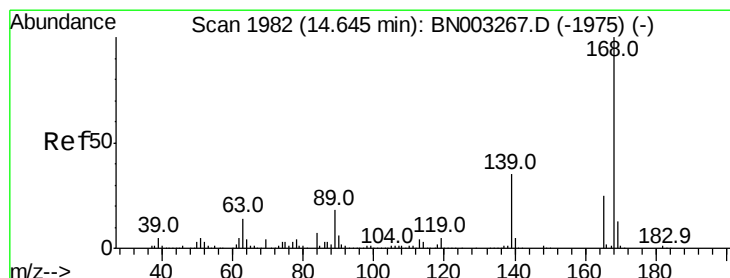
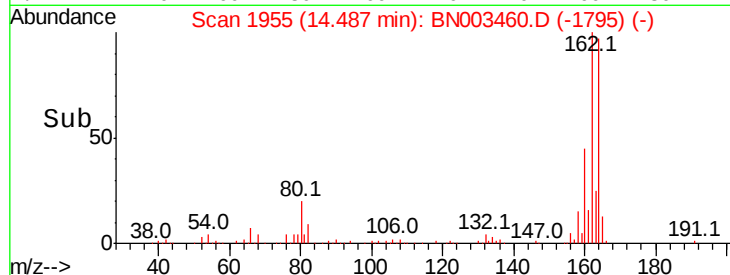
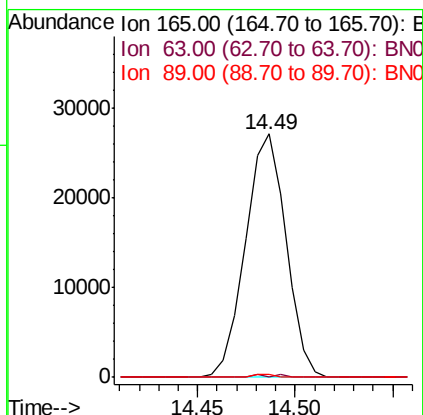
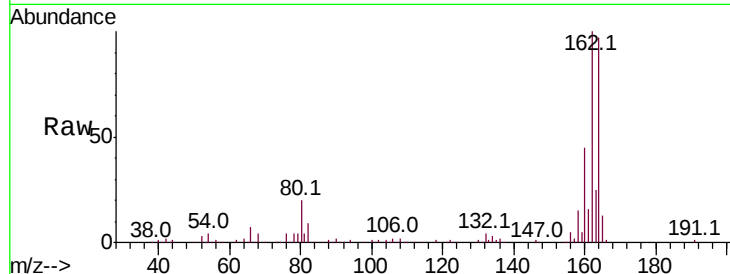




#51
 2,6-Dinitrotoluene
 Concen: 7.070 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003460.D
 Acq: 07 Nov 2018 20:05

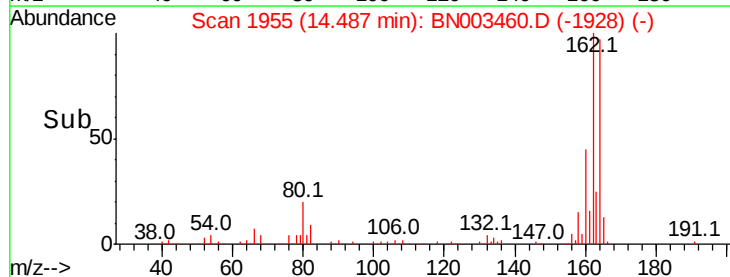
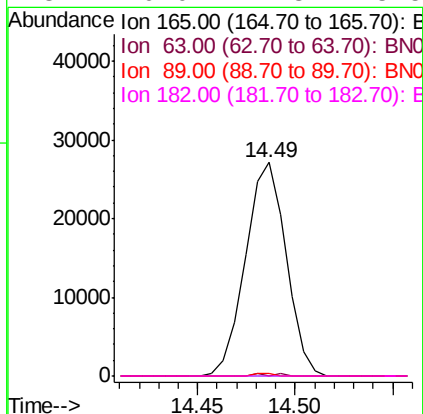
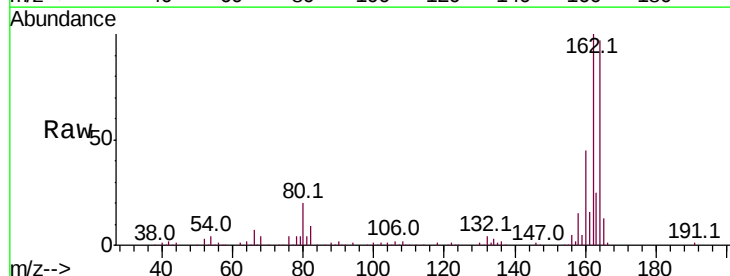
Instrument :
 BNA_N
 ClientSampleId :

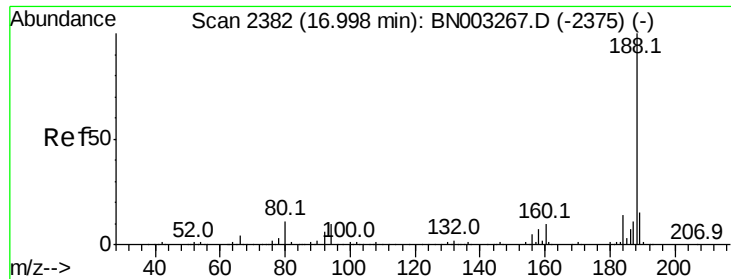
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.2	58.8#
89	1.3	38.9	58.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.215 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BN003460.D
 Acq: 07 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.8	68.6#
89	1.3	58.7	88.1#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.23 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

Instrument :

BNA_N

ClientSampleId :

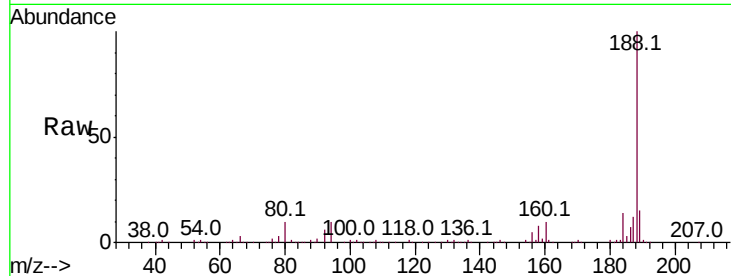
Tot Ion:188 Resp: 668888

Ion Ratio Lower Upper

188 100

94 9.7 8.1 12.1

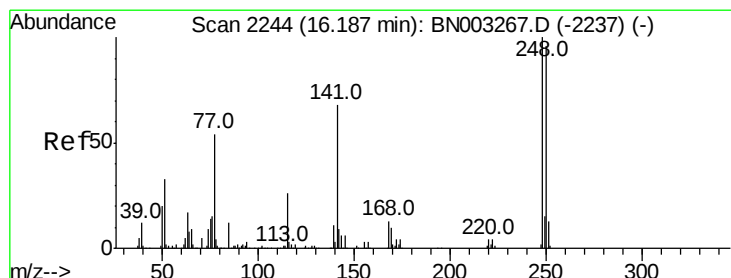
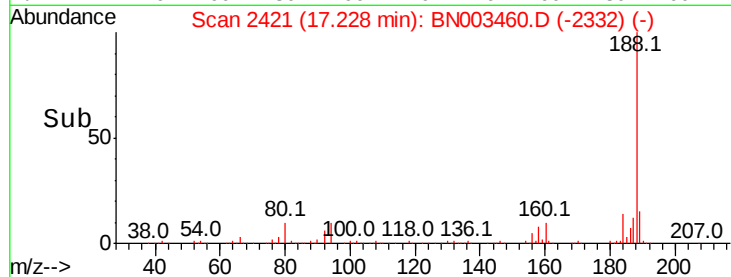
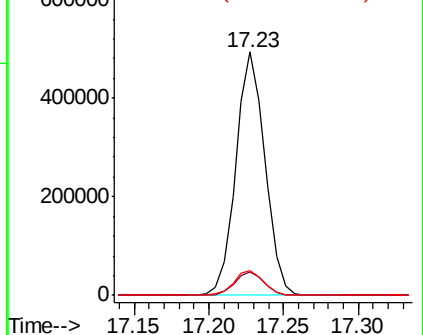
80 10.4 8.6 13.0



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: 3.874 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

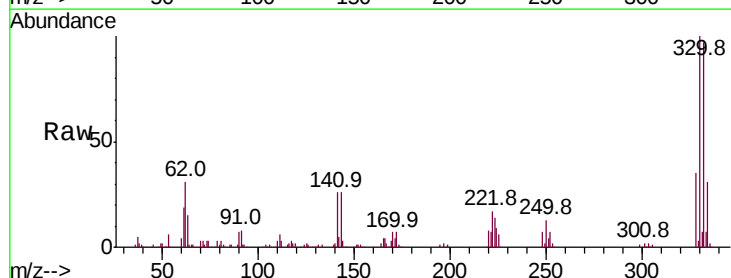
Tgt Ion:248 Resp: 29184

Ion Ratio Lower Upper

248 100

250 195.7 76.4 114.6#

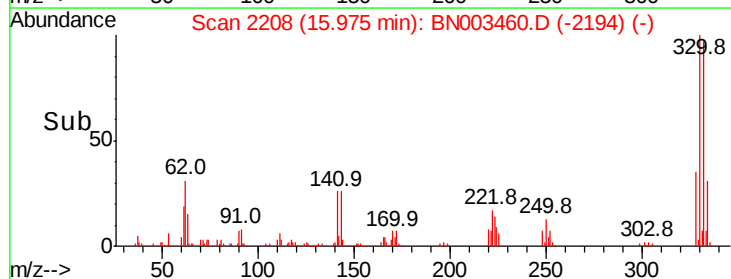
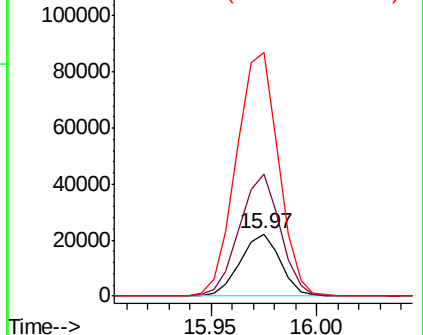
141 391.9 54.2 81.4#

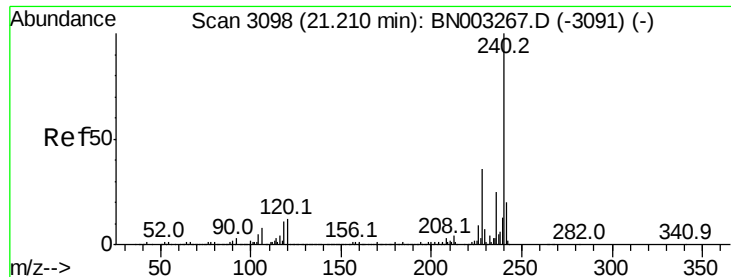


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

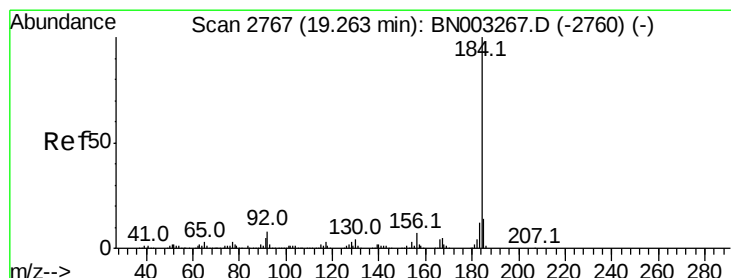
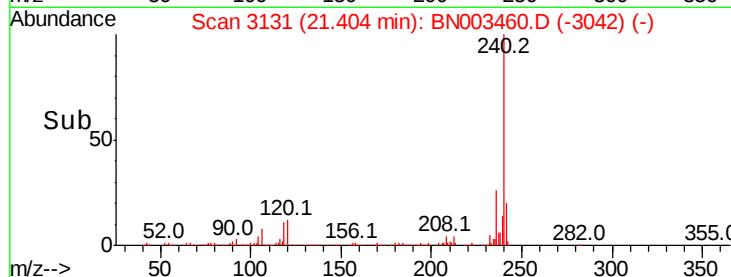
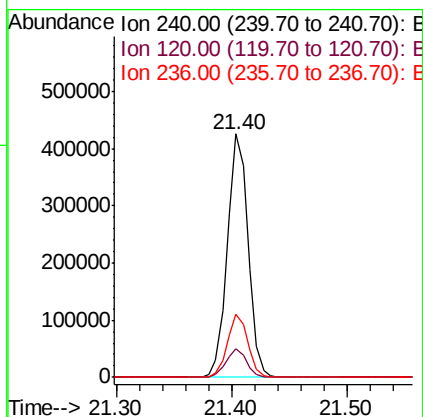
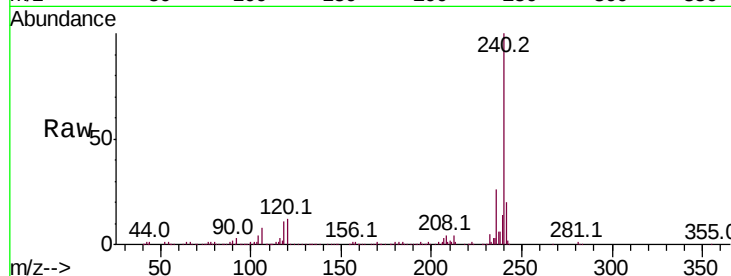




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.40 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BN003460.D
 Acq: 07 Nov 2018 20:05

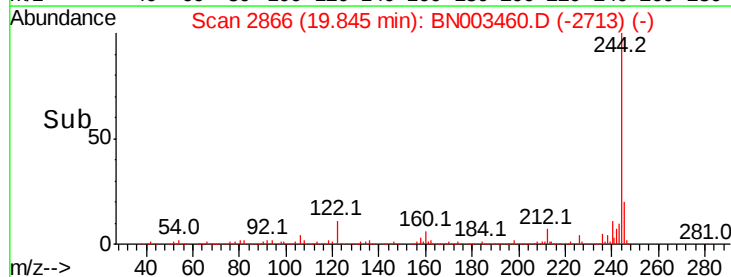
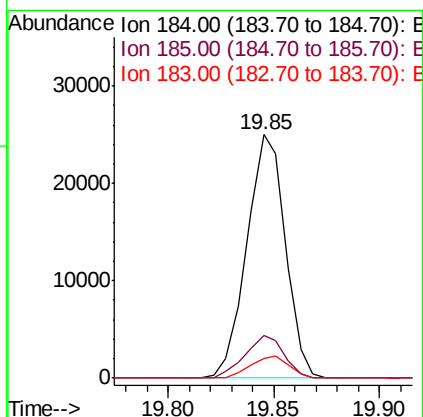
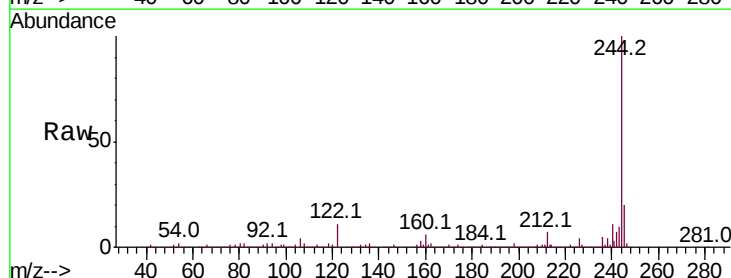
Instrument :
 BNA_N
 ClientSampleId :

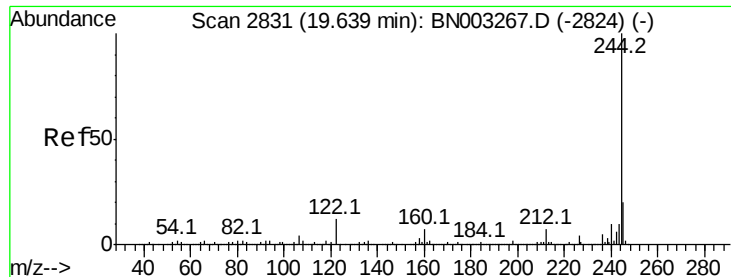
Tot Ion:240 Resp: 526744
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.4 14.0
 236 25.8 20.3 30.5



#77
 Benzidine
 Concen: 2.053 ng
 RT: 19.85 min Scan# 2866
 Delta R.T. 0.37 min
 Lab File: BN003460.D
 Acq: 07 Nov 2018 20:05

Tgt Ion:184 Resp: 31651
 Ion Ratio Lower Upper
 184 100
 185 17.3 11.5 17.3#
 183 8.3 9.4 14.0#





#79

Terphenyl-d14

Concen: 106.309 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

Instrument :

BNA_N

ClientSampled :

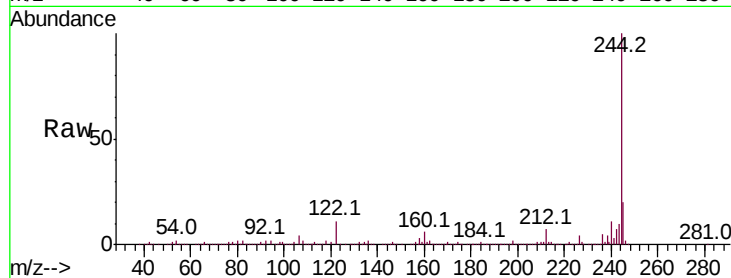
Tot Ion:244 Resp: 2618499

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

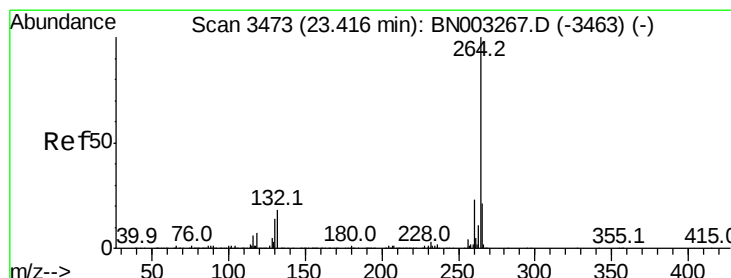
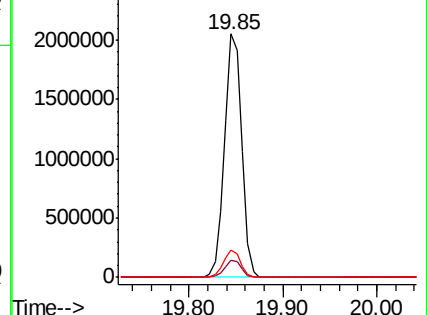
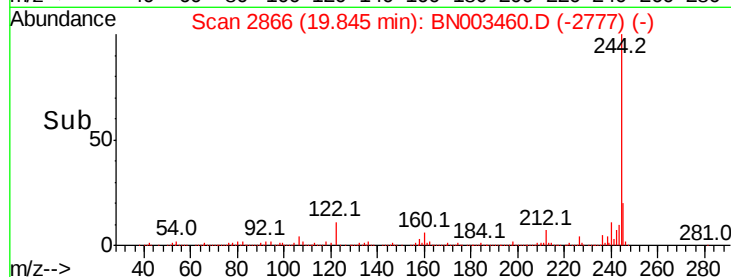
122 11.2 9.4 14.2



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

Perylene-d12

Concen: 20.000 ng

RT: 23.72 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BN003460.D

Acq: 07 Nov 2018 20:05

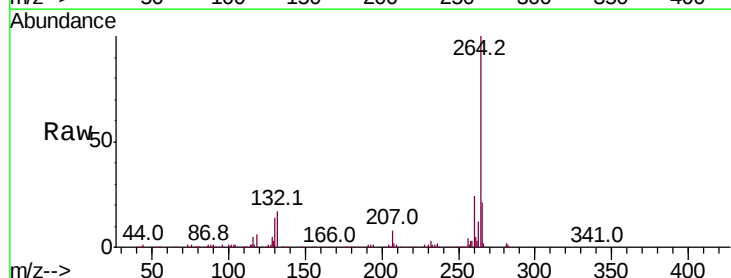
Tgt Ion:264 Resp: 508979

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 21.3 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

