

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003461.D
 Acq On : 07 Nov 2018 20:40
 Operator : MJ/SJ
 Sample : J5829-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:33:29 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	110498	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	493382	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	298041	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	659393	20.00	ng	0.00
76) Chrysene-d12	21.40	240	520959	20.00	ng	0.00
87) Perylene-d12	23.72	264	507507	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	282580	44.54	ng	0.00
7) Phenol-d6	7.00	99	229534	25.44	ng	-0.01
23) Nitrobenzene-d5	9.02	82	809250	94.06	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	449741	112.06	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	2232172	101.59	ng	0.00
79) Terphenyl-d14	19.85	244	2697353	110.73	ng	0.00

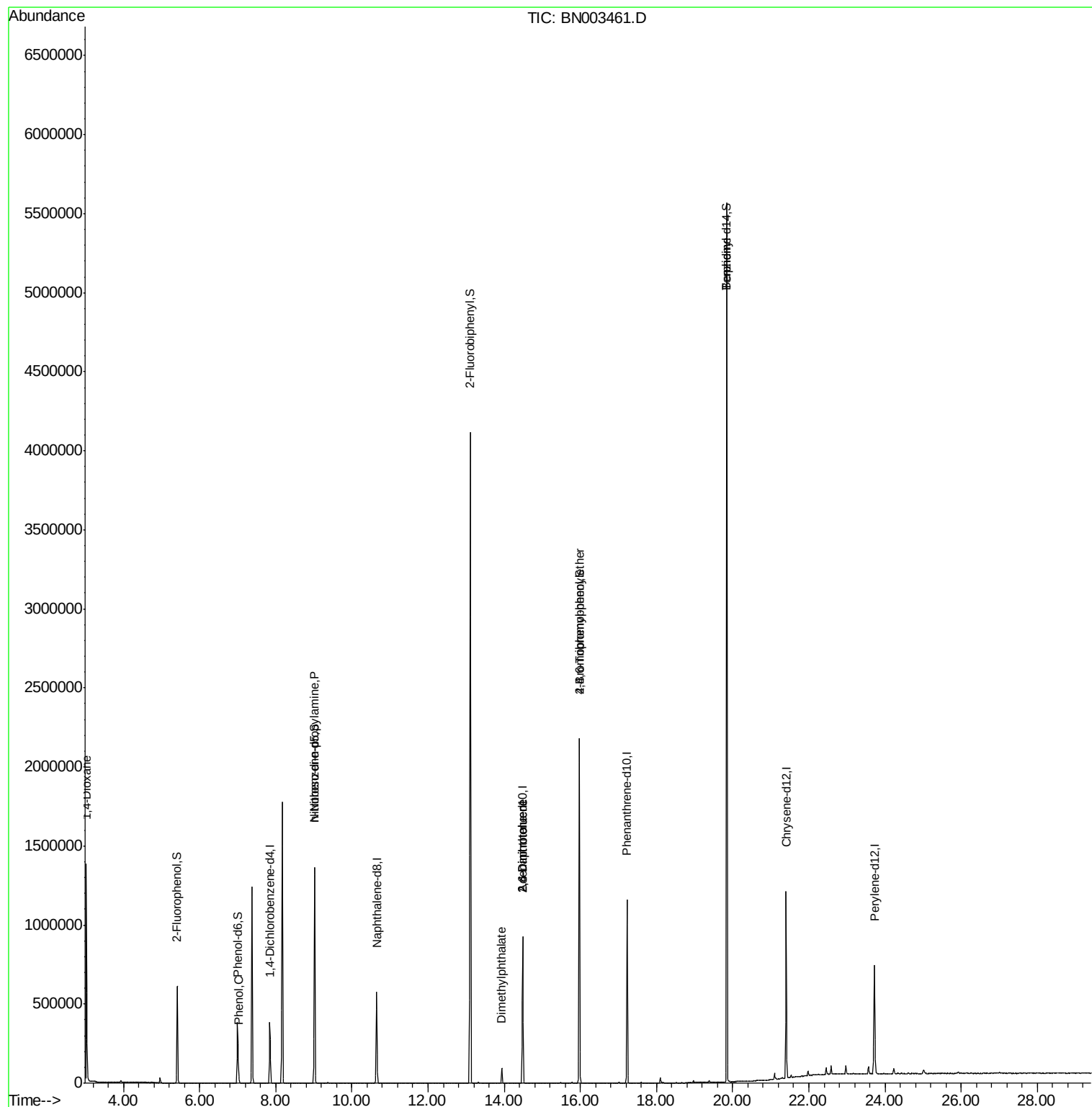
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	10528	3.495	ng	# 1
10) Phenol	7.03	94	29904	3.141	ng	# 94
19) n-Nitroso-di-n-propylamine	9.02	70	103350	15.888	ng	# 75
50) Dimethylphthalate	13.94	163	65213	2.706	ng	# 100
51) 2,6-Dinitrotoluene	14.49	165	38706	7.077	ng	# 30
57) 2,4-Dinitrotoluene	14.49	165	38706	5.219	ng	# 20
67) 4-Bromophenyl-phenylether	15.97	248	29067	3.914	ng	# 1
77) Benzidine	19.85	184	32956	2.161	ng	# 92

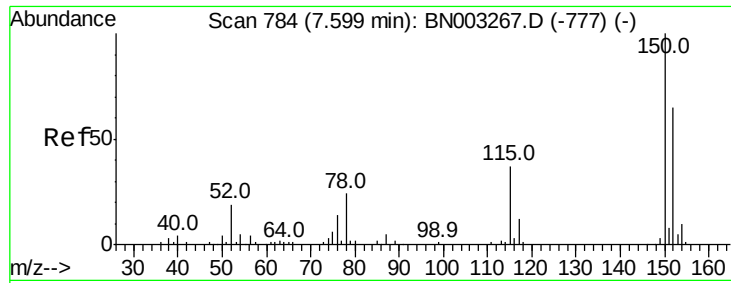
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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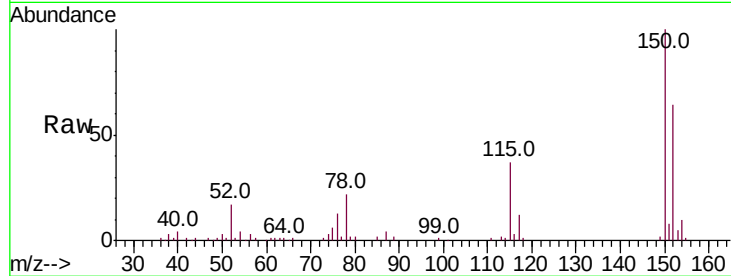


#1

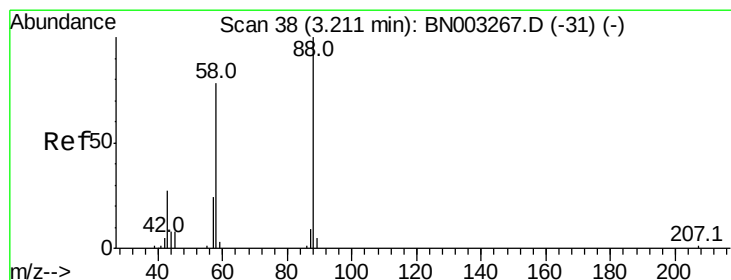
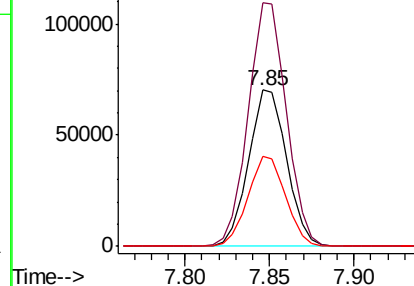
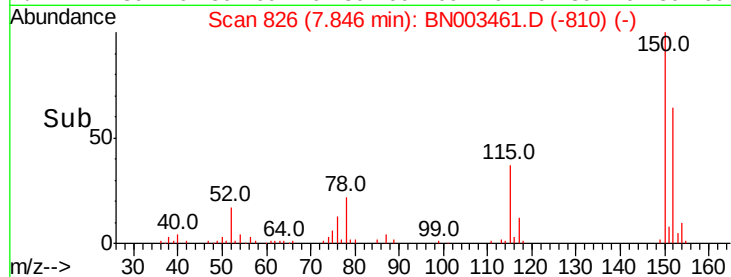
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN003461.D
Acq: 07 Nov 2018 20:40

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 110498
Ion Ratio Lower Upper
152 100
150 155.7 123.8 185.8
115 57.3 45.9 68.9



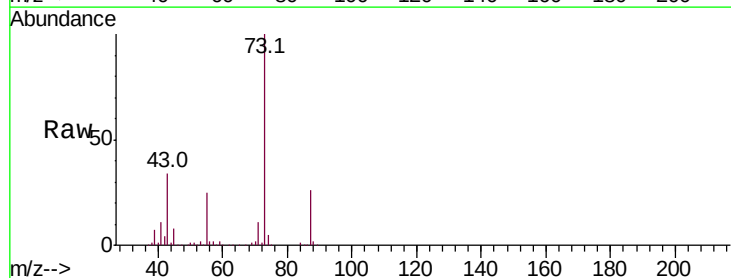
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



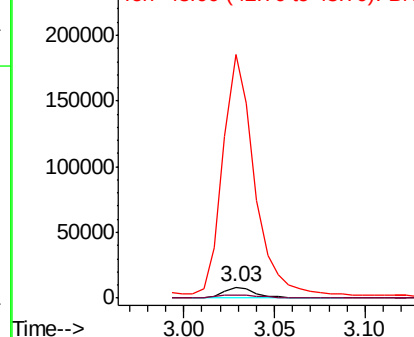
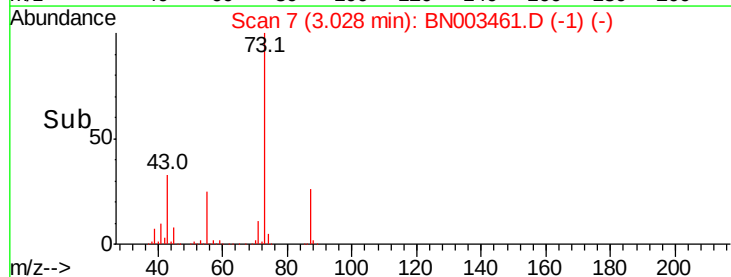
#2

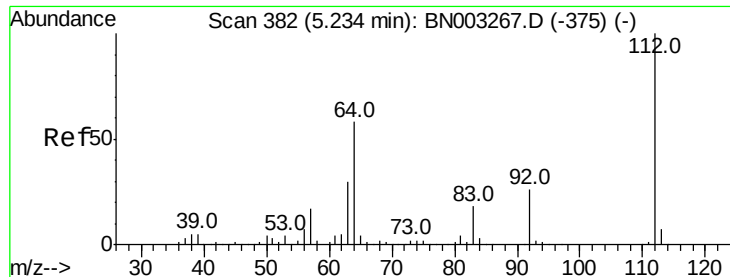
1,4-Dioxane
Concen: 3.495 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003461.D
Acq: 07 Nov 2018 20:40

Tgt Ion: 88 Resp: 10528
Ion Ratio Lower Upper
88 100
58 24.2 61.1 91.7#
43 2142.9 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

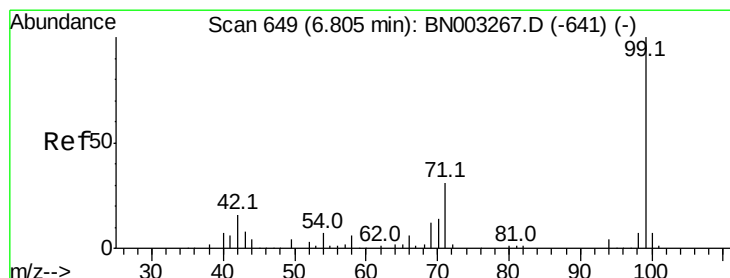
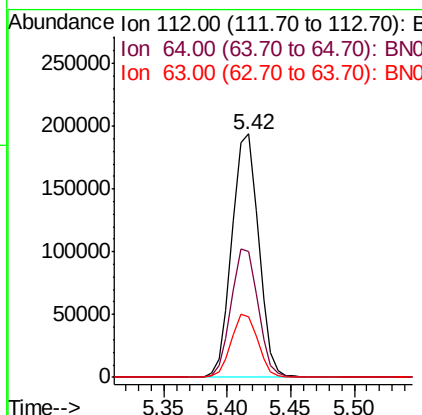
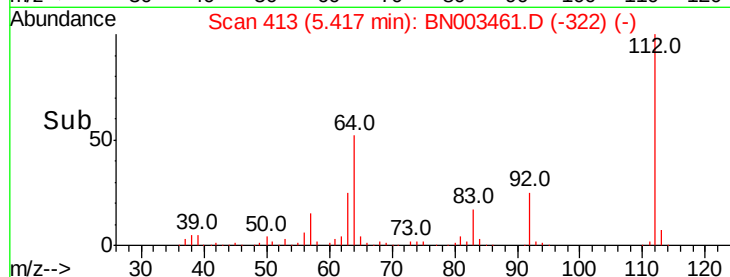
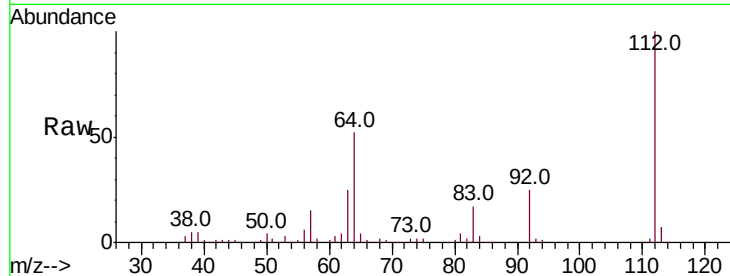




#5
 2-Fluorophenol
 Concen: 44.542 ng
 RT: 5.42 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: BN003461.D
 Acq: 07 Nov 2018 20:40

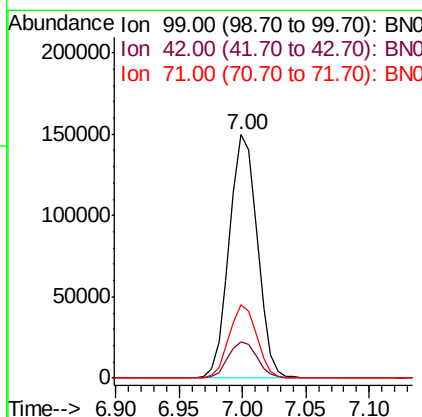
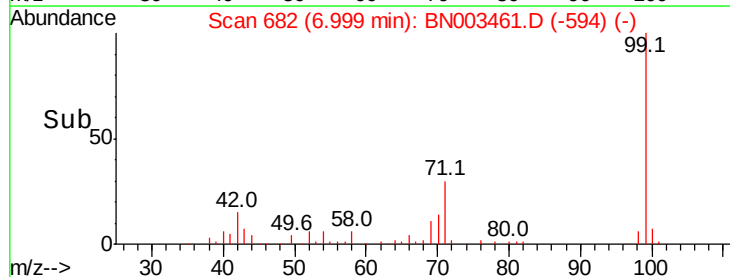
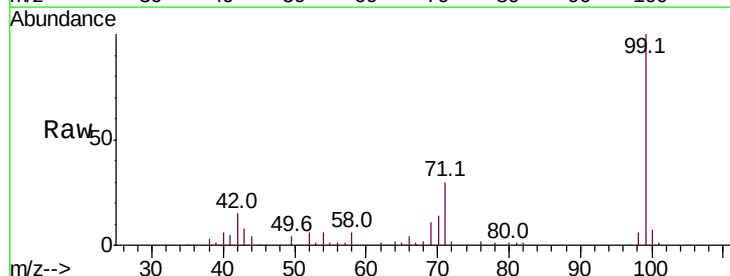
Instrument :
 BNA_N
 ClientSampled :

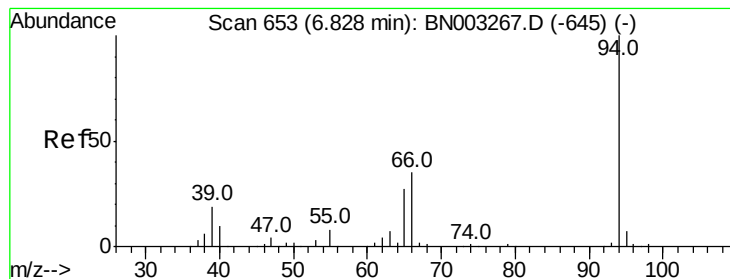
Tot Ion:	112	Resp:	282580
Ion	Ratio	Lower	Upper
112	100		
64	51.8	46.6	69.8
63	25.0	23.8	35.8



#7
 Phenol-d6
 Concen: 25.444 ng
 RT: 7.00 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BN003461.D
 Acq: 07 Nov 2018 20:40

Tgt Ion:	99	Resp:	229534
Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.0	19.6
71	30.2	24.5	36.7





#10

Phenol

Concen: 3.141 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA_N

ClientSampled :

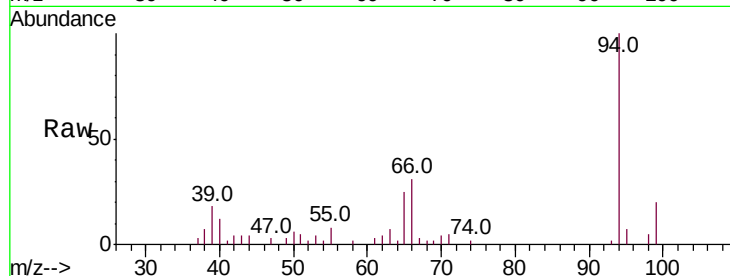
Tot Ion: 94 Resp: 29904

Ion Ratio Lower Upper

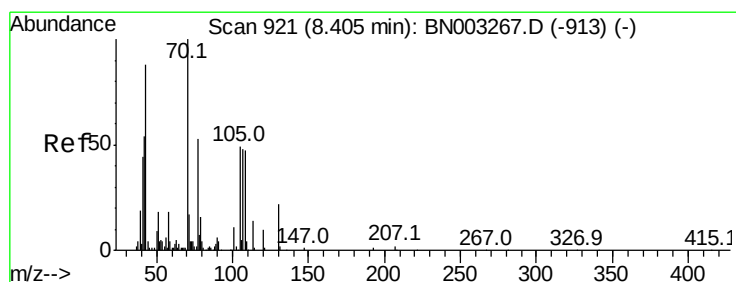
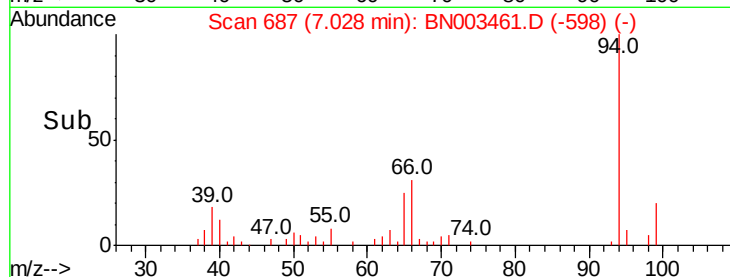
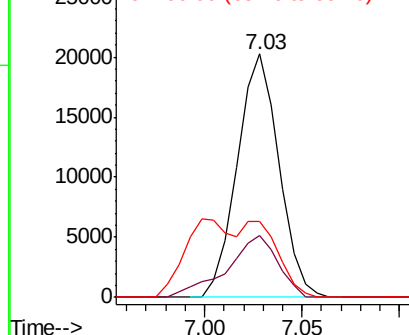
94 100

65 25.5 7.7 47.7

66 31.1 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: 15.888 ng

RT: 9.02 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

Tgt Ion: 70 Resp: 103350

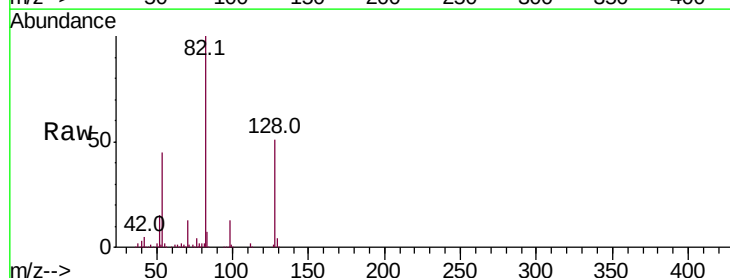
Ion Ratio Lower Upper

70 100

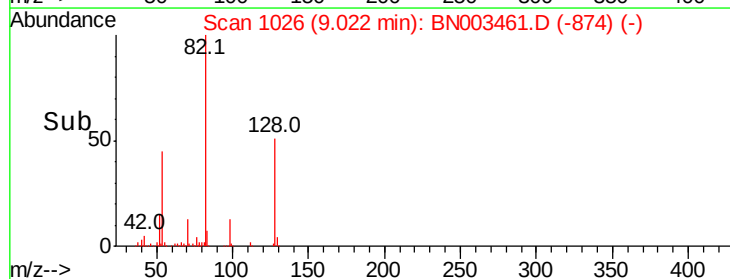
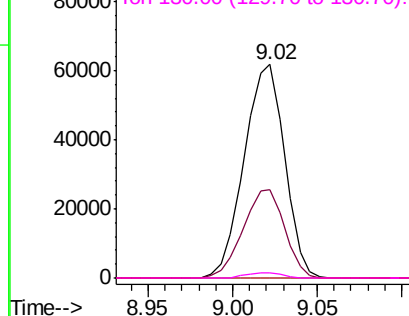
42 41.4 43.5 65.3#

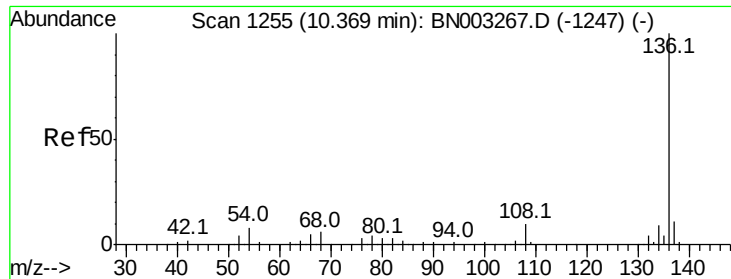
101 0.0 8.6 12.8#

130 2.3 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

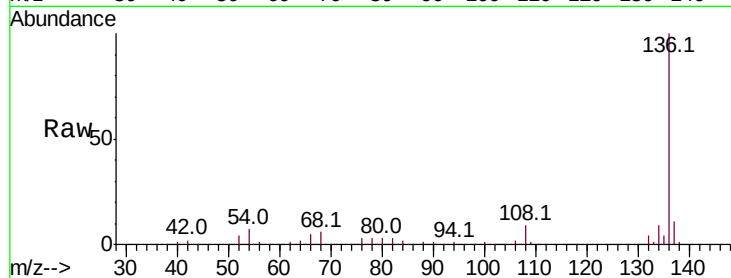




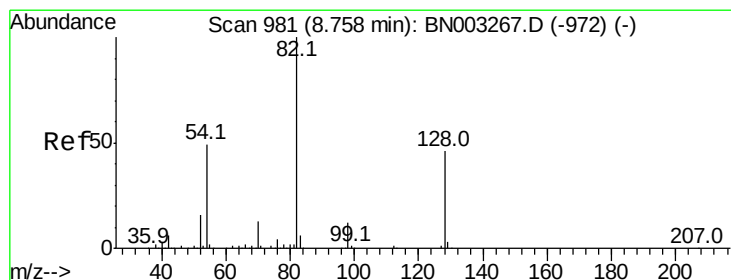
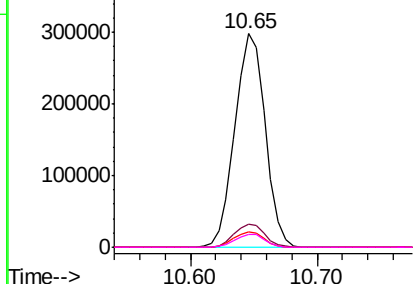
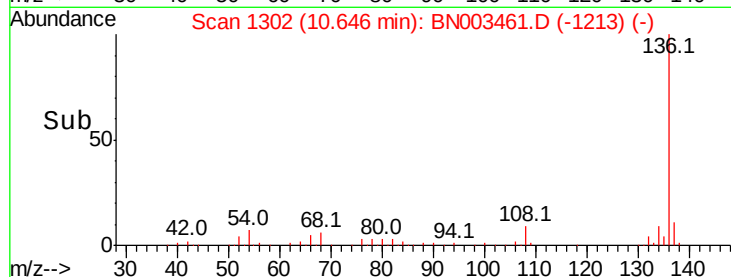
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN003461.D
Acq: 07 Nov 2018 20:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	493382	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.7	13.1	
54 7.3	6.6	10.0	
68 6.1	4.6	7.0	

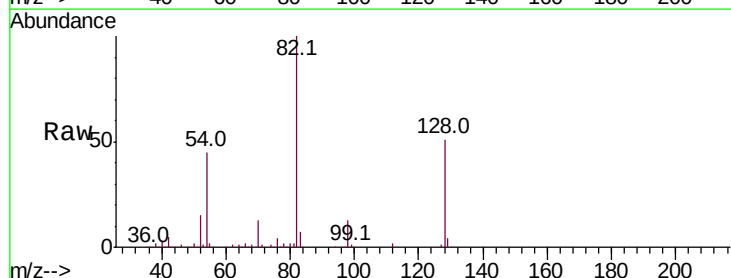


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

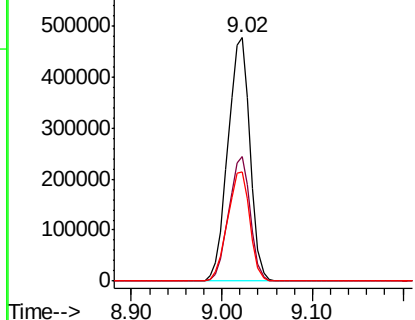
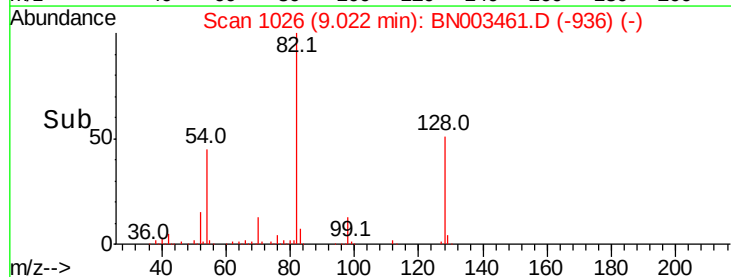


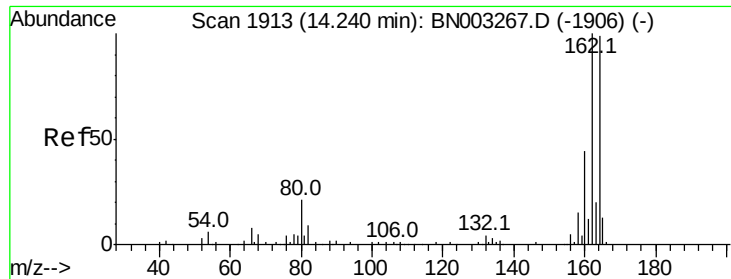
#23
Nitrobenzene-d5
Concen: 94.065 ng
RT: 9.02 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BN003461.D
Acq: 07 Nov 2018 20:40

Tgt Ion: 82	Resp: 809250
Ion Ratio	Lower Upper
82 100	
128 51.2	37.1 55.7
54 44.8	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: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA_N

ClientSampled :

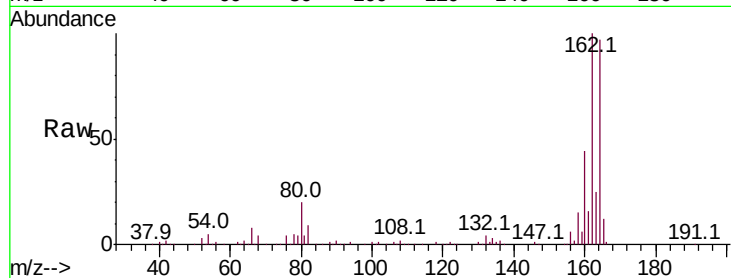
Tot Ion:164 Resp: 298041

Ion Ratio Lower Upper

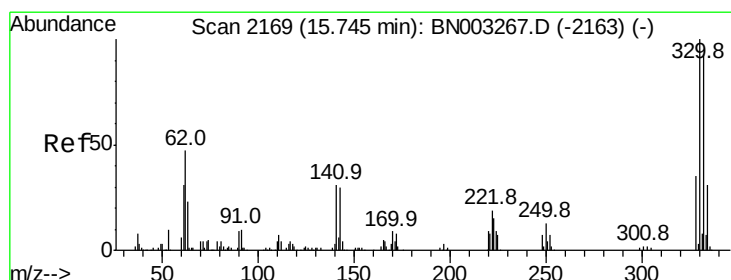
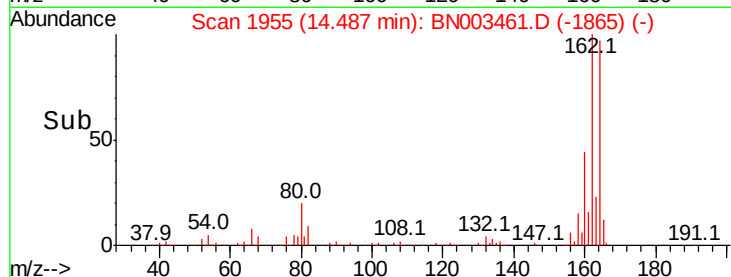
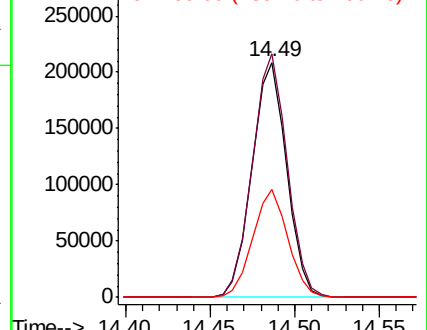
164 100

162 103.6 80.8 121.2

160 45.9 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: 112.065 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

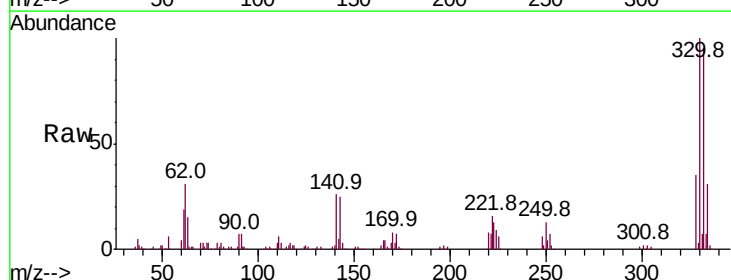
Tgt Ion:330 Resp: 449741

Ion Ratio Lower Upper

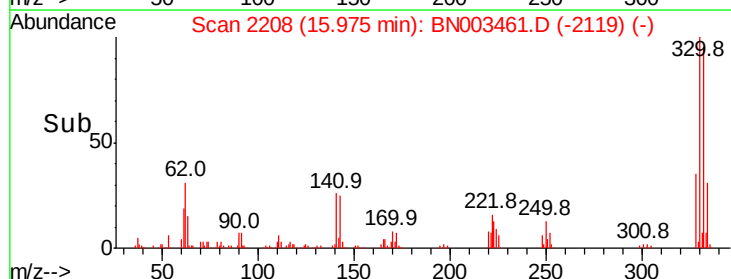
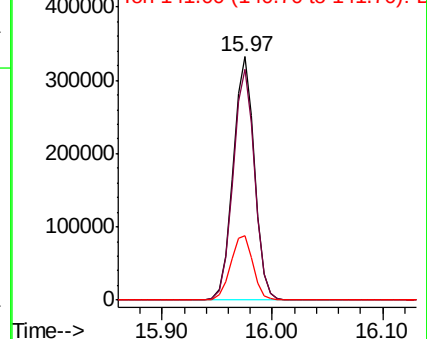
330 100

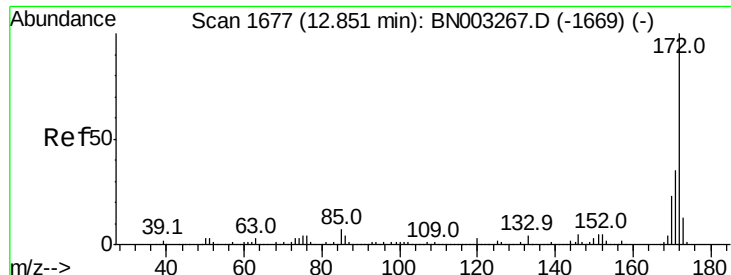
332 95.8 76.6 114.8

141 27.6 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

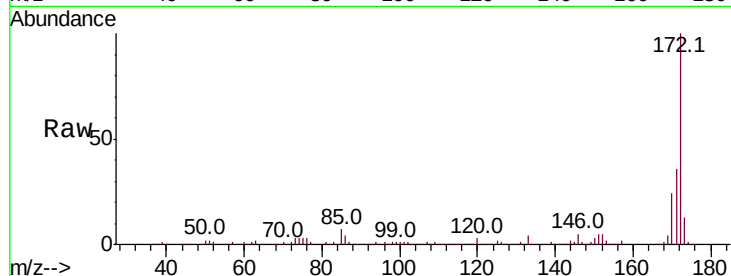




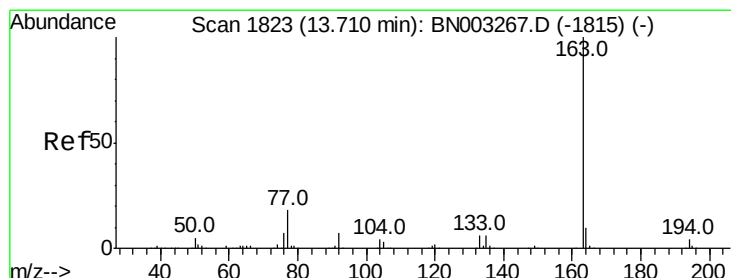
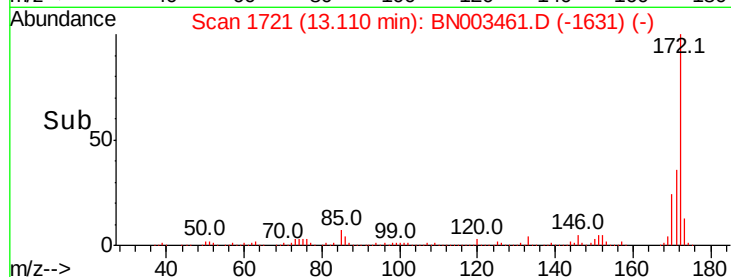
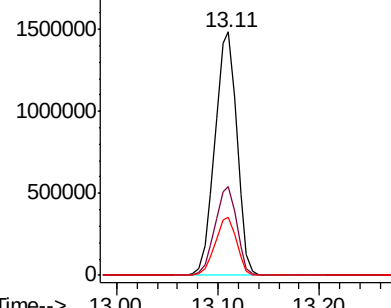
#45
2-Fluorobiphenyl
Concen: 101.589 ng
RT: 13.11 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BN003461.D
Acq: 07 Nov 2018 20:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 2232172
Ion Ratio Lower Upper
172 100
171 36.4 28.2 42.4
170 23.6 18.4 27.6

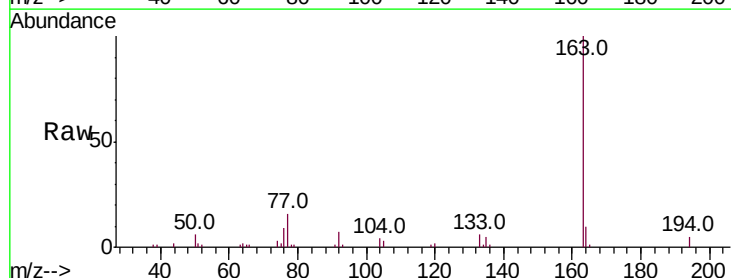


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

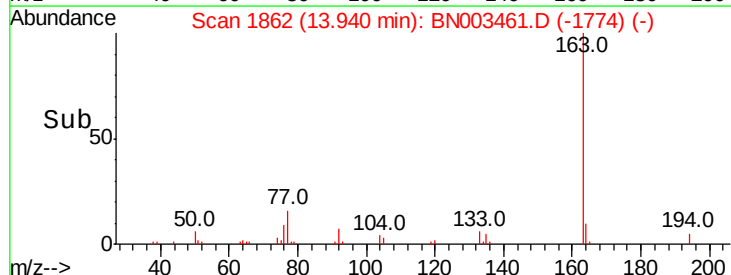
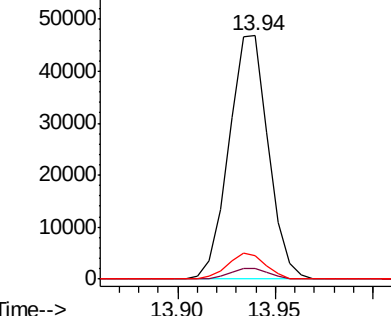


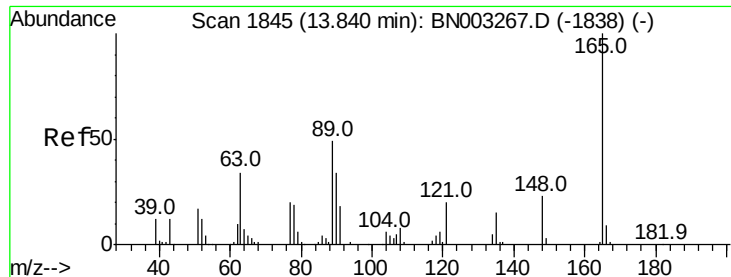
#50
Dimethylphthalate
Concen: 2.706 ng
RT: 13.94 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BN003461.D
Acq: 07 Nov 2018 20:40

Tgt Ion:163 Resp: 65213
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 9.8 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
60000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

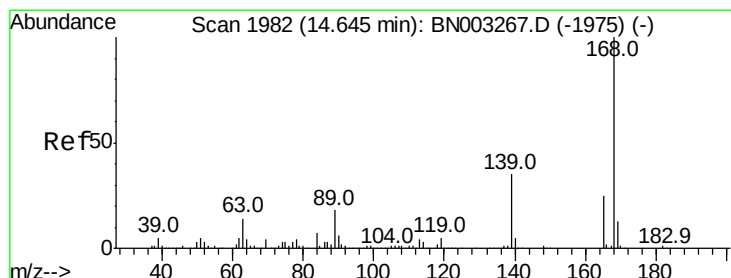
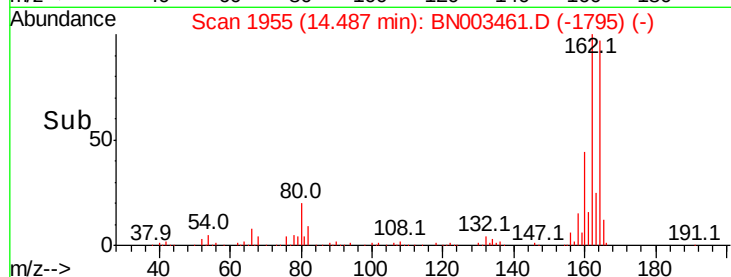
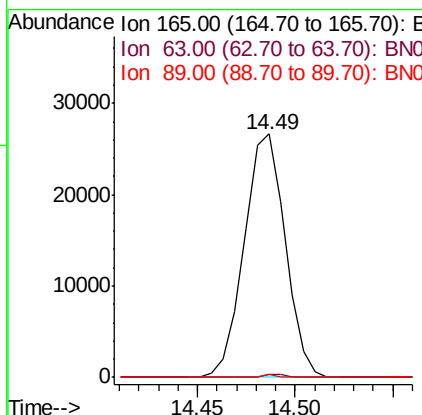
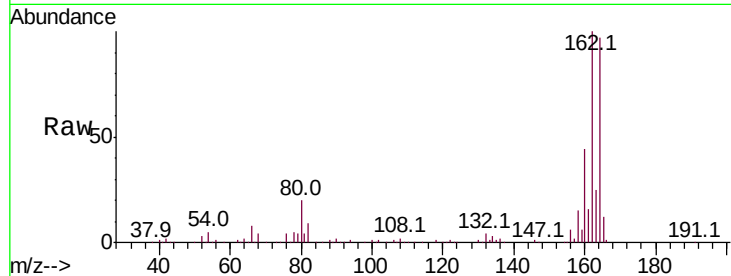




#51
 2,6-Dinitrotoluene
 Concen: 7.077 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003461.D
 Acq: 07 Nov 2018 20:40

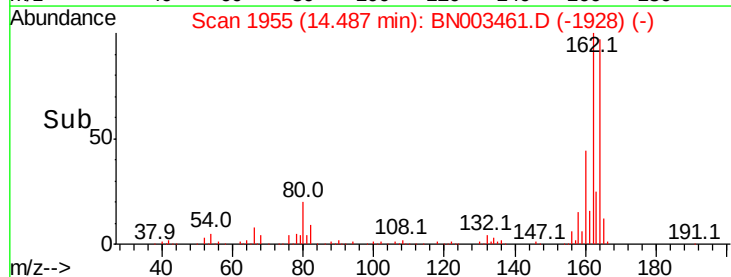
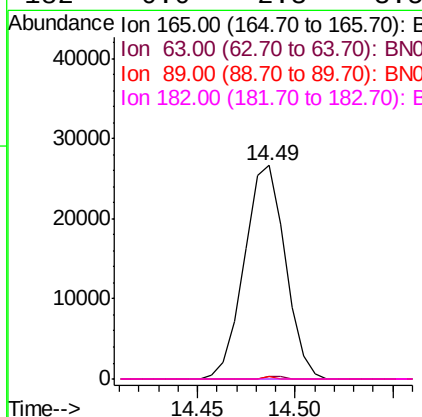
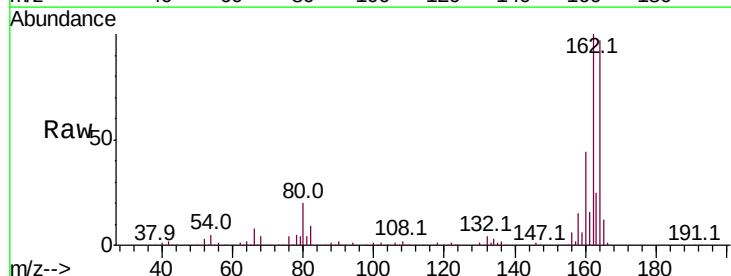
Instrument :
 BNA_N
 ClientSampleId :

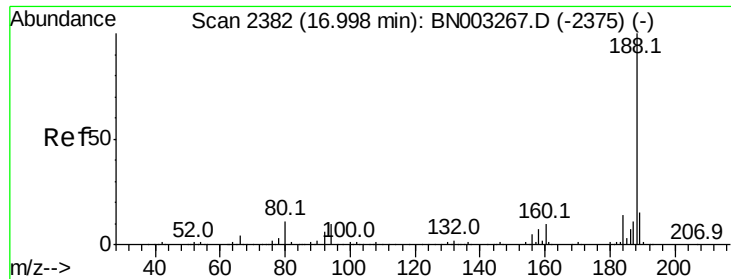
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.2	58.8#
89	1.5	38.9	58.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.219 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BN003461.D
 Acq: 07 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	45.8	68.6#
89	1.5	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: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA_N

ClientSampleId :

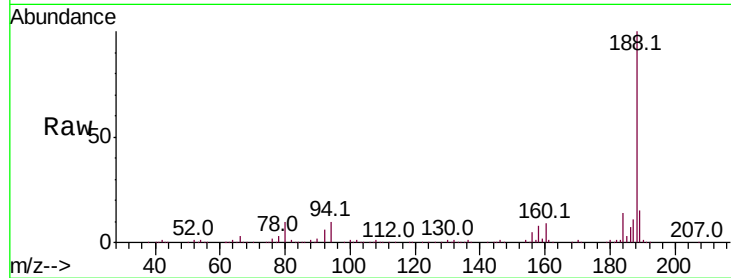
Tot Ion:188 Resp: 659393

Ion Ratio Lower Upper

188 100

94 9.8 8.1 12.1

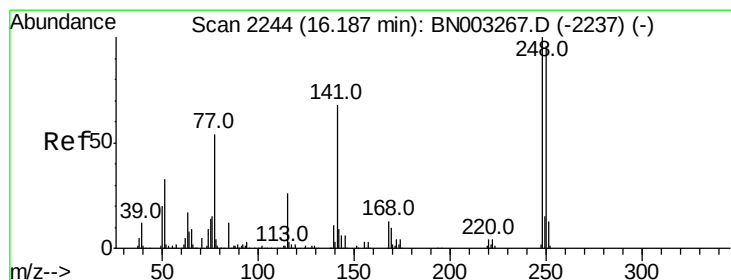
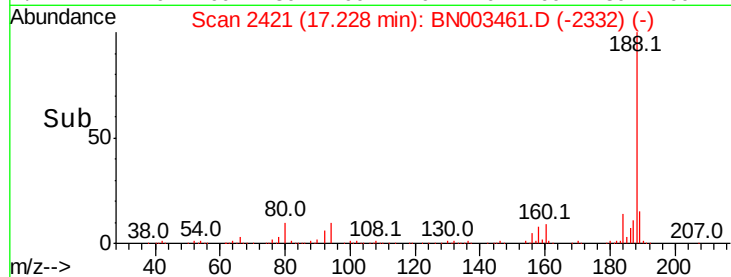
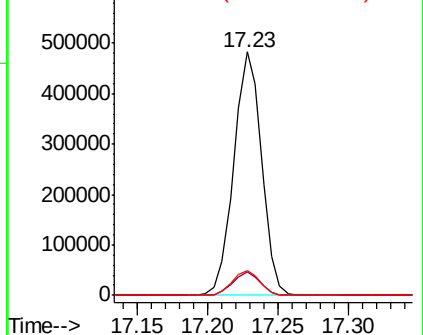
80 10.3 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#67

4-Bromophenyl-phenylether

Concen: 3.914 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

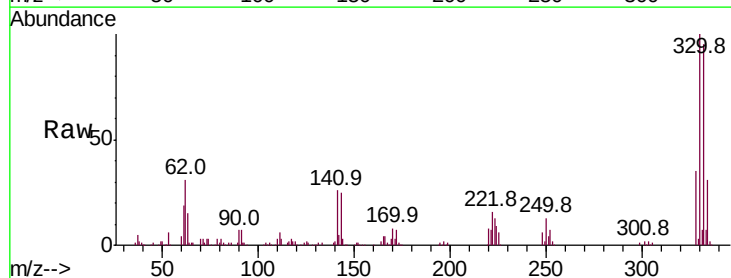
Tgt Ion:248 Resp: 29067

Ion Ratio Lower Upper

248 100

250 205.2 76.4 114.6#

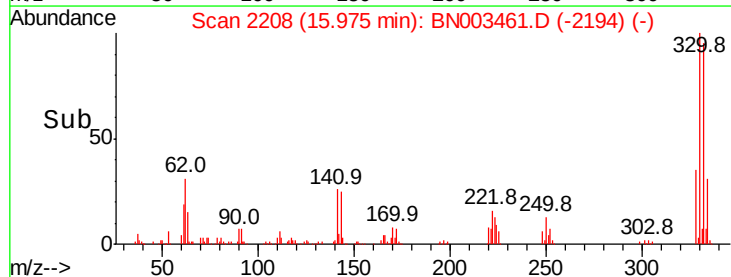
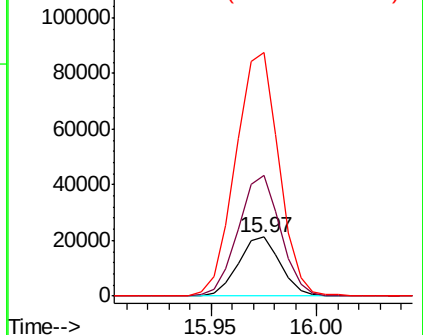
141 412.4 54.2 81.4#

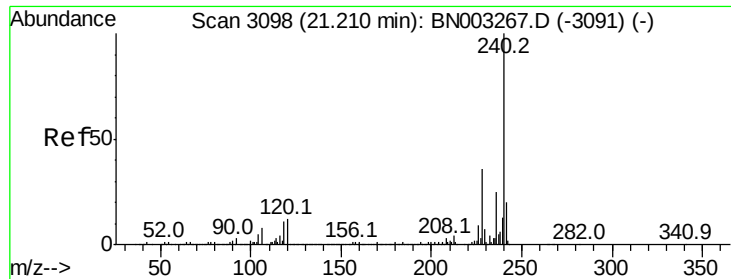


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

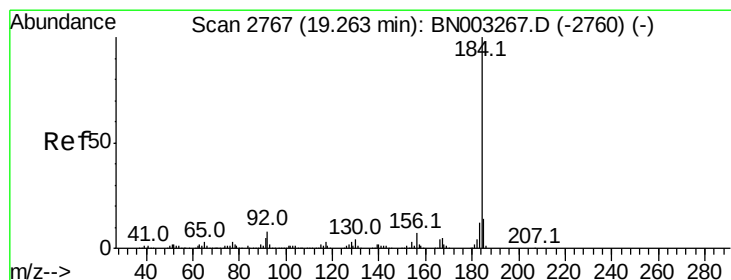
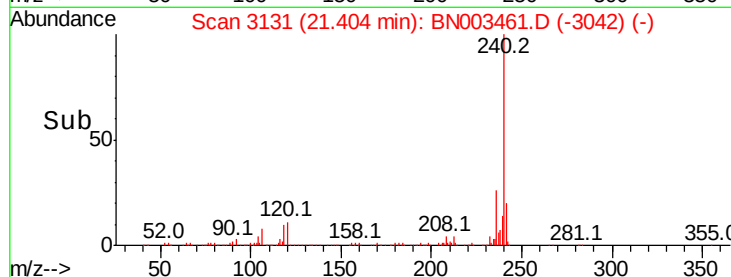
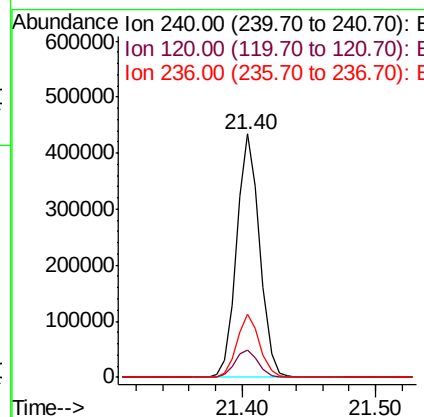
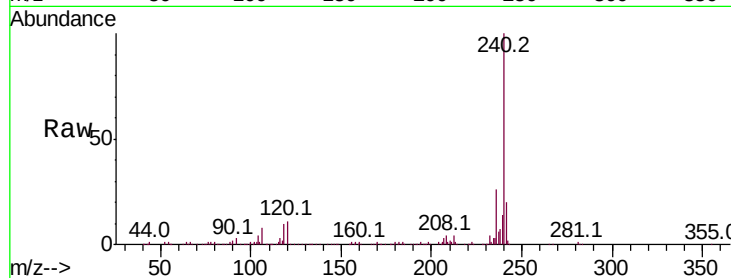




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.40 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BN003461.D
 Acq: 07 Nov 2018 20:40

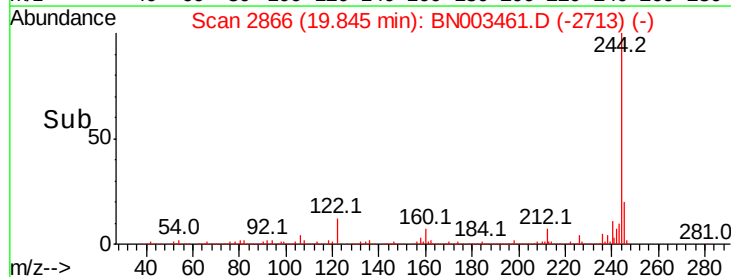
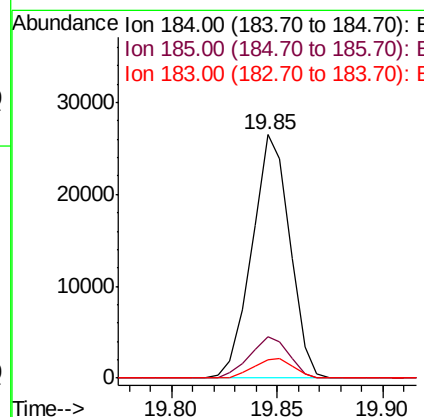
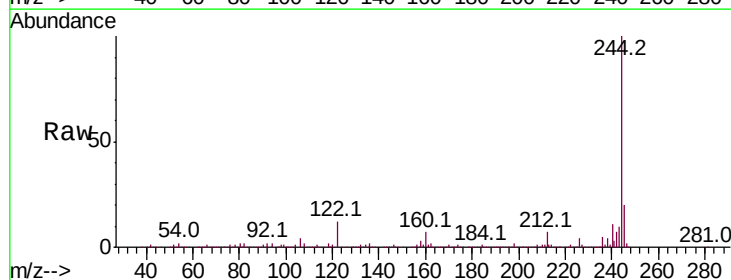
Instrument :
 BNA_N
 ClientSampled :

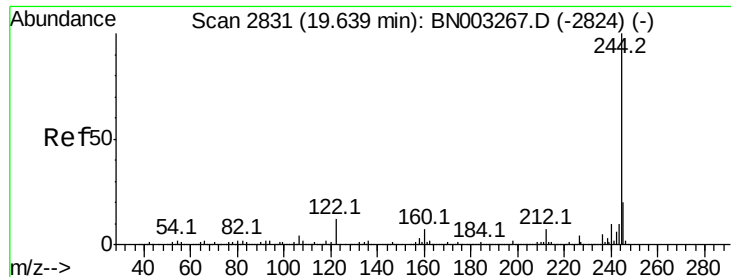
Tot Ion:240 Resp: 520959
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.4 14.0
 236 26.1 20.3 30.5



#77
 Benzidine
 Concen: 2.161 ng
 RT: 19.85 min Scan# 2866
 Delta R.T. 0.37 min
 Lab File: BN003461.D
 Acq: 07 Nov 2018 20:40

Tgt Ion:184 Resp: 32956
 Ion Ratio Lower Upper
 184 100
 185 17.2 11.5 17.3
 183 7.7 9.4 14.0#





#79

Terphenyl-d14

Concen: 110.727 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA_N

ClientSampled :

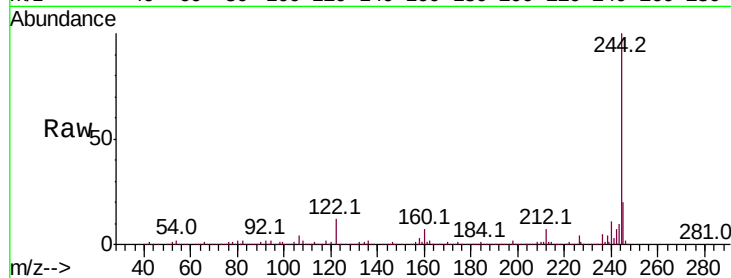
Tot Ion:244 Resp: 2697353

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

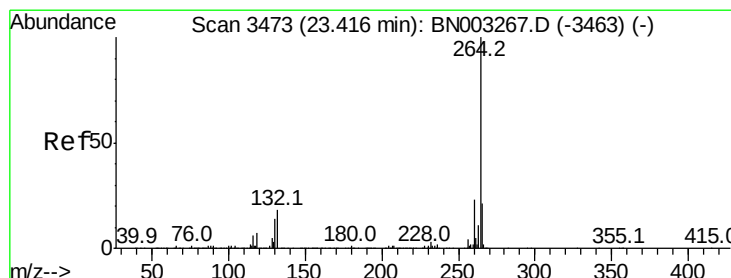
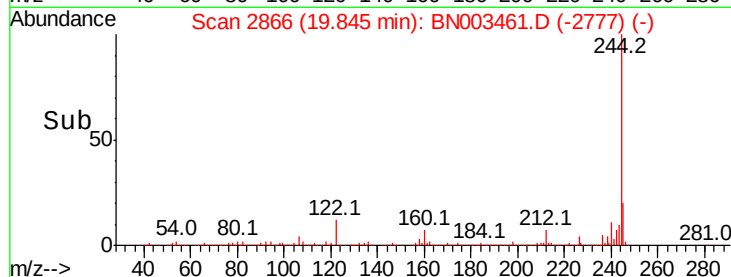
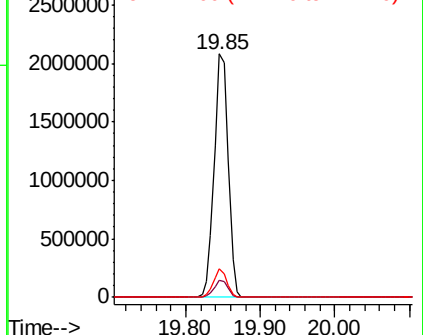
122 11.6 9.4 14.2



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: BN003461.D

Acq: 07 Nov 2018 20:40

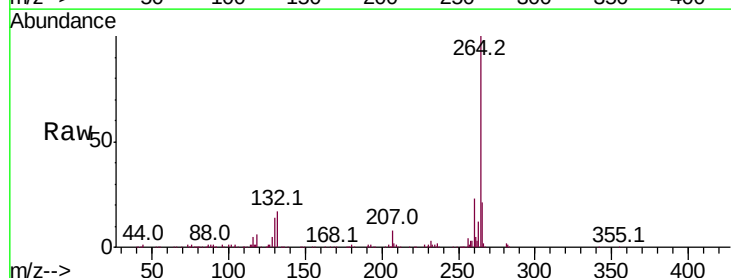
Tgt Ion:264 Resp: 507507

Ion Ratio Lower Upper

264 100

260 23.1 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

