

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003462.D
 Acq On : 07 Nov 2018 21:15
 Operator : MJ/SJ
 Sample : J5829-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:33:38 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

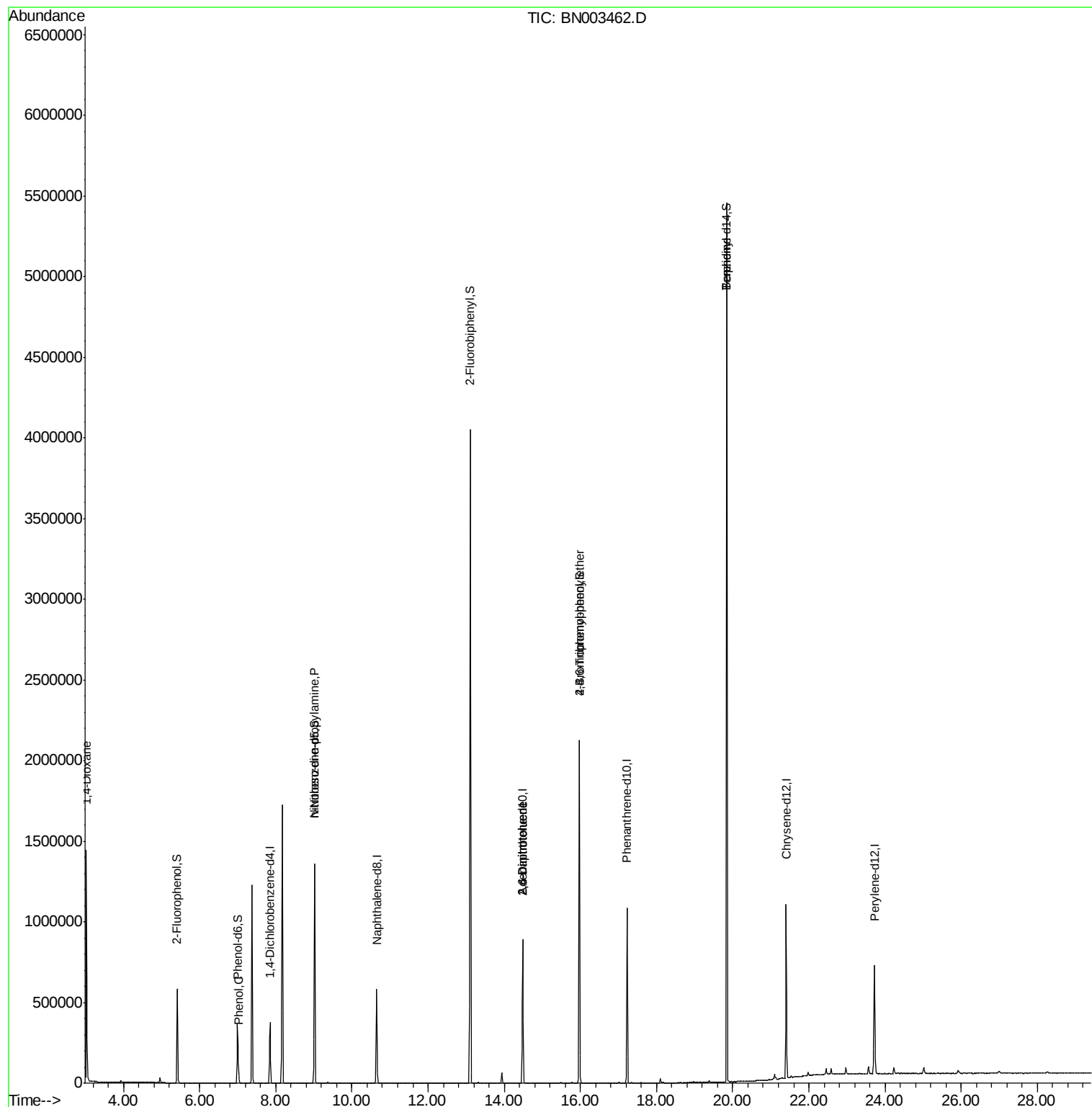
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	108958	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	481078	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	290986	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	637735	20.00	ng	0.00
76) Chrysene-d12	21.40	240	506295	20.00	ng	0.00
87) Perylene-d12	23.72	264	495203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	269135	43.02	ng	0.00
7) Phenol-d6	7.00	99	213984	24.06	ng	-0.01
23) Nitrobenzene-d5	9.02	82	796164	94.91	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	437604	111.68	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	2169890	101.15	ng	0.00
79) Terphenyl-d14	19.85	244	2662882	112.48	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.03	88	11260	3.791	ng	# 1
10) Phenol	7.03	94	29286	3.120	ng	# 95
19) n-Nitroso-di-n-propylamine	9.02	70	101892	15.885	ng	# 75
51) 2,6-Dinitrotoluene	14.49	165	37578	7.037	ng	# 29
57) 2,4-Dinitrotoluene	14.49	165	37578	5.190	ng	# 20
67) 4-Bromophenyl-phenylether	15.97	248	28418	3.957	ng	# 1
77) Benzidine	19.85	184	32133	2.168	ng	# 84

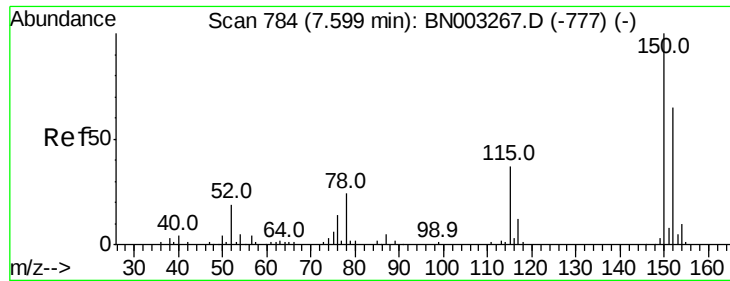
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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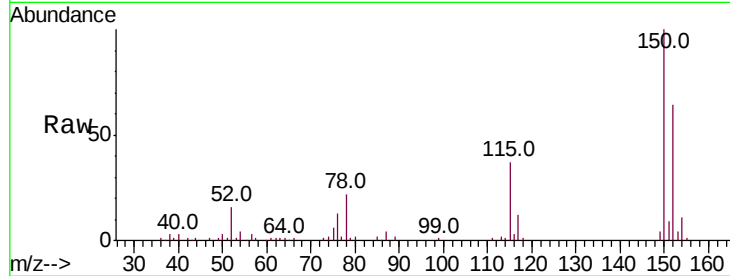


#1

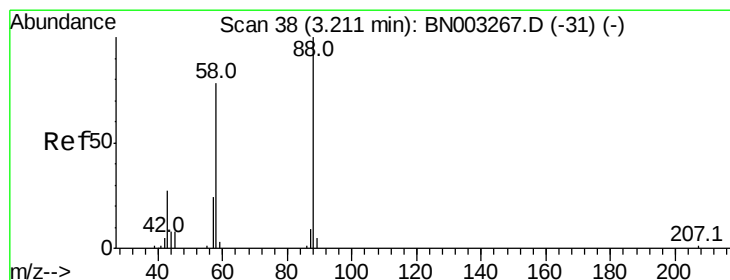
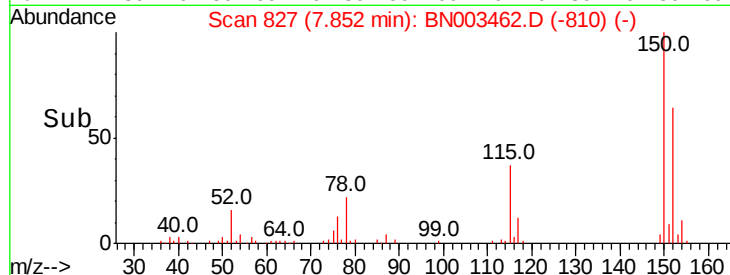
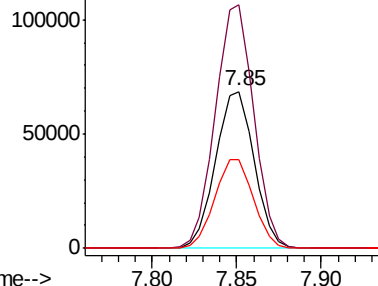
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 827
Delta R.T. 0.00 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 108958
Ion Ratio Lower Upper
152 100
150 155.4 123.8 185.8
115 56.9 45.9 68.9



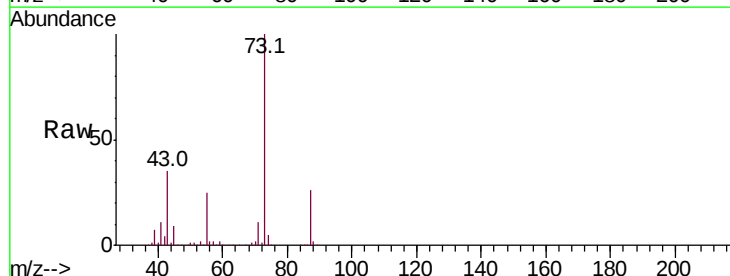
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



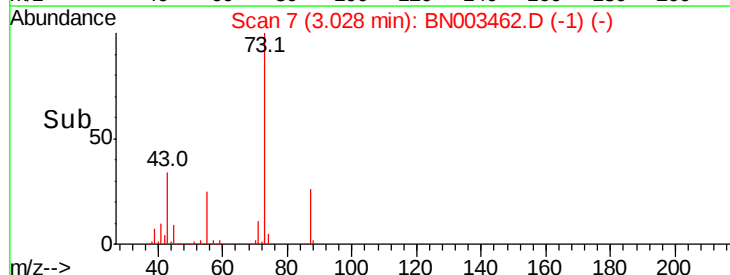
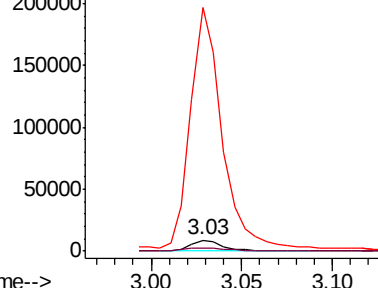
#2

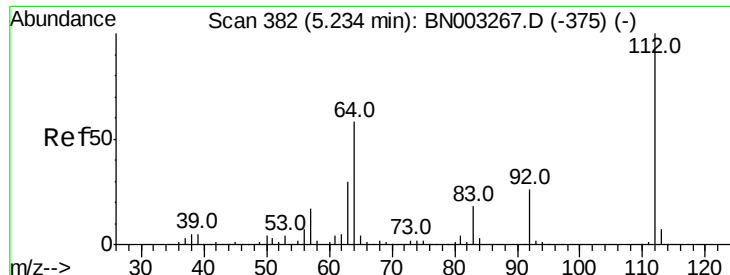
1,4-Dioxane
Concen: 3.791 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Tgt Ion: 88 Resp: 11260
Ion Ratio Lower Upper
88 100
58 22.9 61.1 91.7#
43 2101.3 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

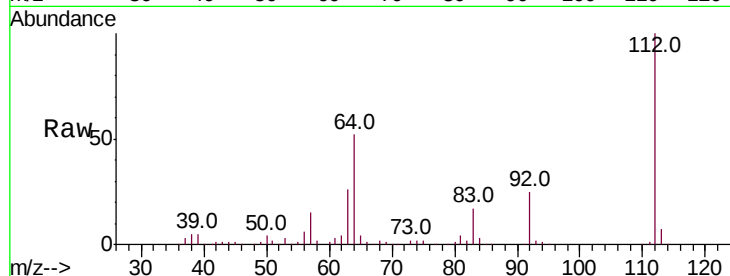




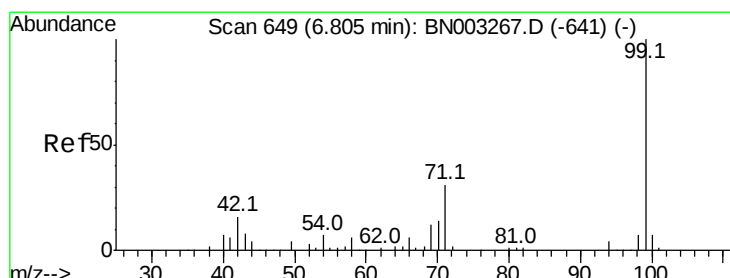
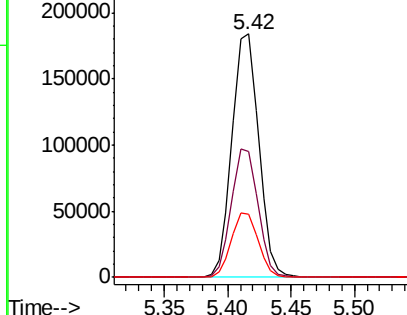
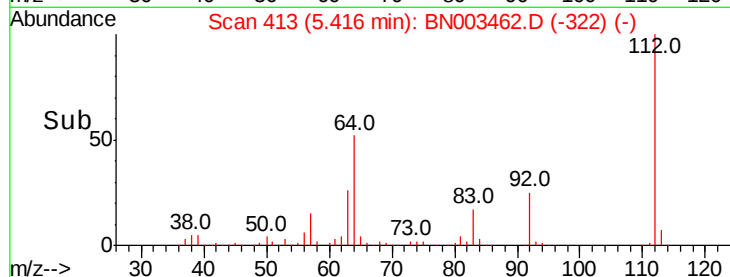
#5
2-Fluorophenol
Concen: 43.023 ng
RT: 5.42 min Scan# 413
Delta R.T. 0.01 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
112	100		
64	51.7	46.6	69.8
63	26.1	23.8	35.8

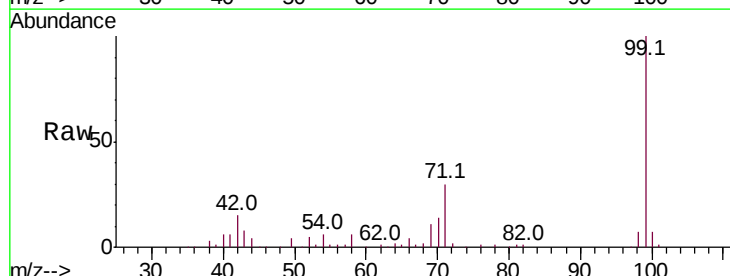


Abundance Ion 112.00 (111.70 to 112.70): BNC
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC

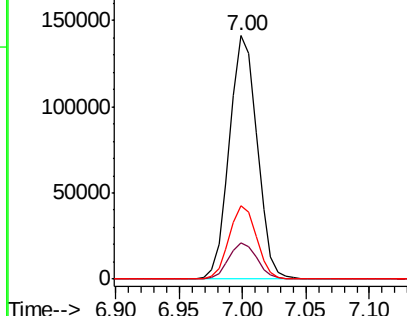
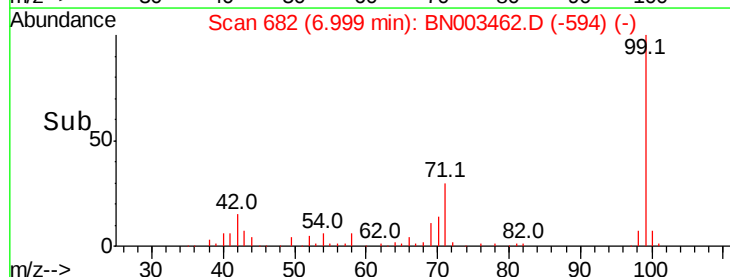


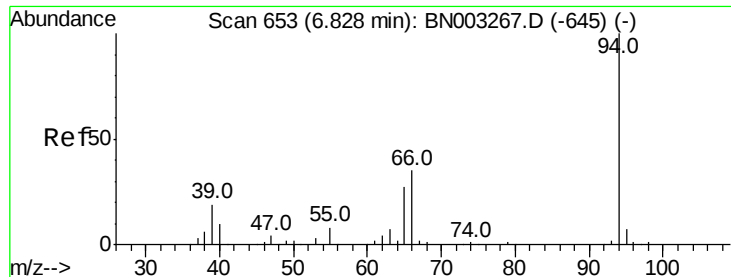
#7
Phenol-d6
Concen: 24.056 ng
RT: 7.00 min Scan# 682
Delta R.T. -0.01 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.0	19.6
71	30.2	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: 3.120 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003462.D

Acq: 07 Nov 2018 21:15

Instrument :

BNA_N

ClientSampled :

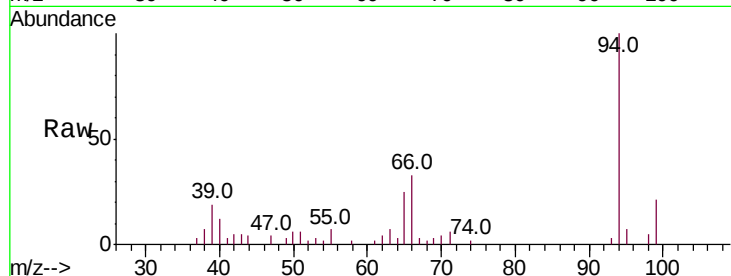
Tot Ion: 94 Resp: 29286

Ion Ratio Lower Upper

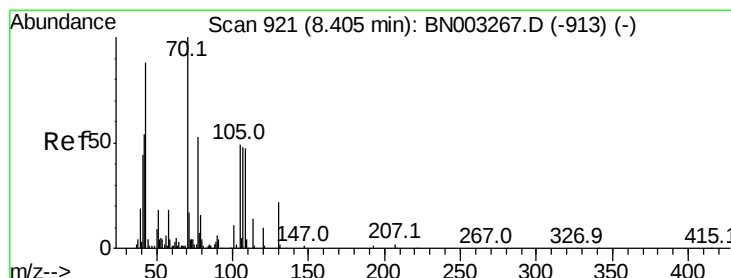
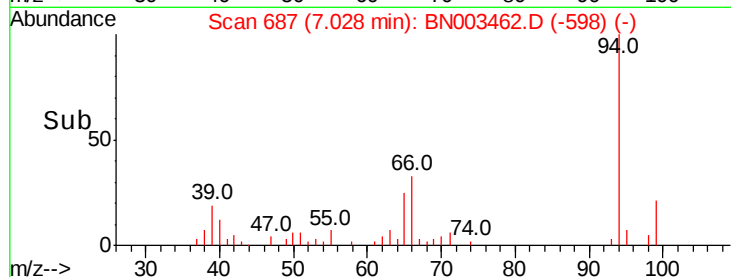
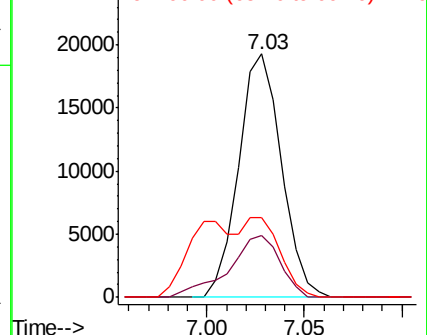
94 100

65 25.2 7.7 47.7

66 32.6 15.8 55.8



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0



#19

n-Nitroso-di-n-propylamine

Concen: 15.885 ng

RT: 9.02 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BN003462.D

Acq: 07 Nov 2018 21:15

Tgt Ion: 70 Resp: 101892

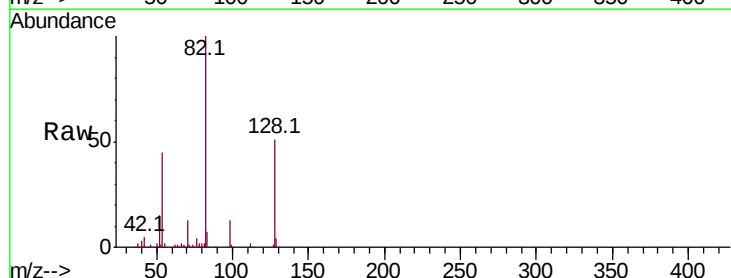
Ion Ratio Lower Upper

70 100

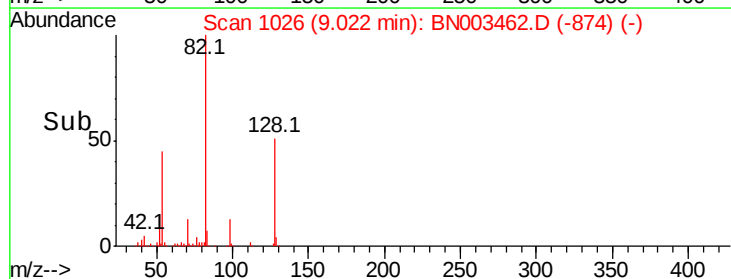
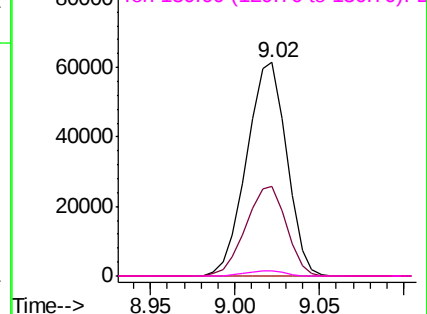
42 42.1 43.5 65.3#

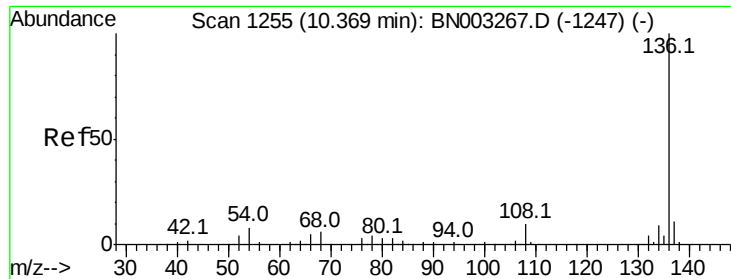
101 0.0 8.6 12.8#

130 2.6 18.0 27.0#



Abundance Ion 70.00 (69.70 to 70.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 101.00 (100.70 to 101.70): BN0
Ion 130.00 (129.70 to 130.70): BN0

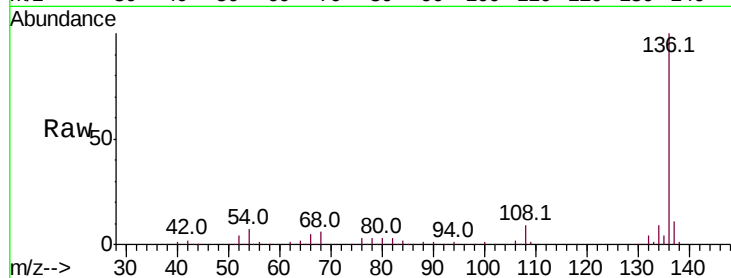




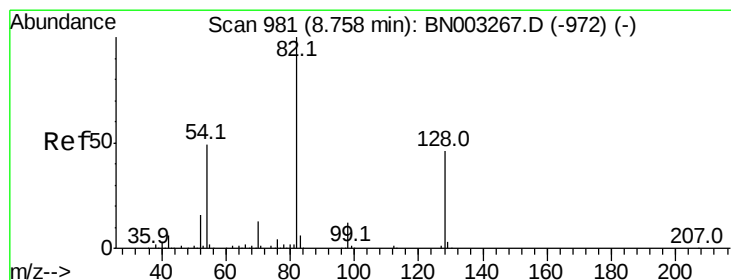
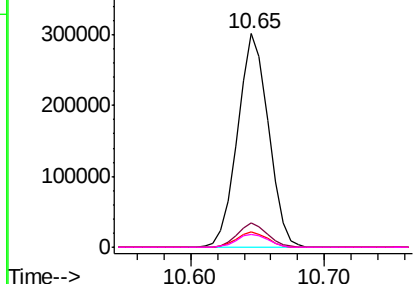
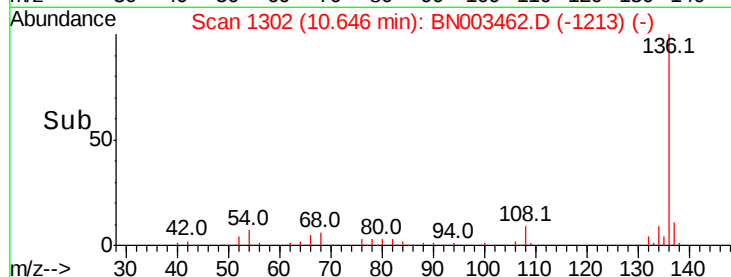
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Instrument :
BNA_N
ClientSampleId :

Tot Ion:	136	Resp:	481078
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.1	6.6	10.0
68	6.2	4.6	7.0

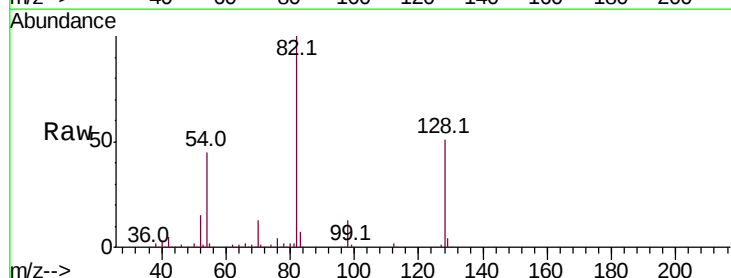


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BNO
Ion 68.00 (67.70 to 68.70): BNO

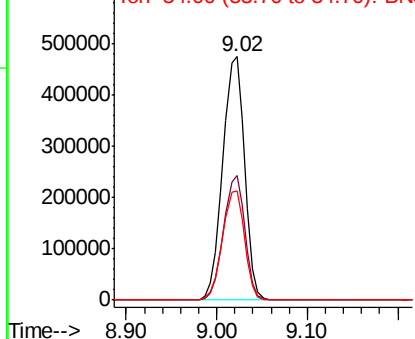
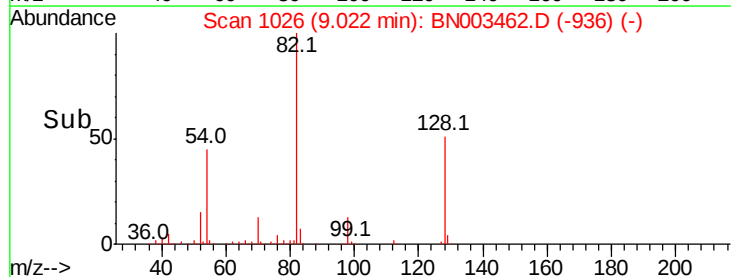


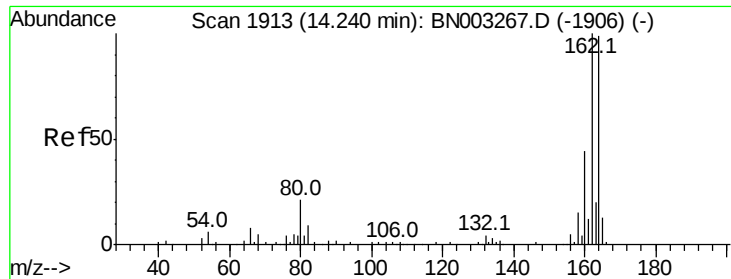
#23
Nitrobenzene-d5
Concen: 94.911 ng
RT: 9.02 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Tgt Ion:	82	Resp:	796164
Ion	Ratio	Lower	Upper
82	100		
128	51.3	37.1	55.7
54	44.7	39.4	59.2



Abundance Ion 82.00 (81.70 to 82.70): BNO
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BNO





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN003462.D

Acq: 07 Nov 2018 21:15

Instrument :

BNA_N

ClientSampleId :

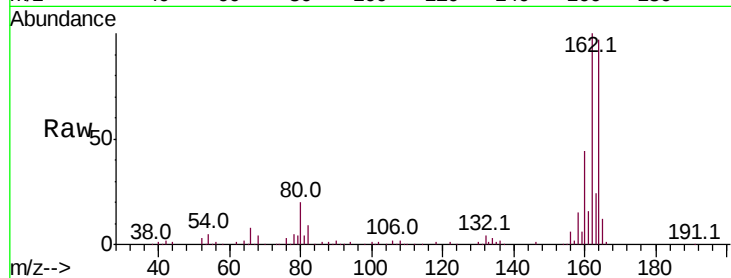
Tot Ion:164 Resp: 290986

Ion Ratio Lower Upper

164 100

162 102.6 80.8 121.2

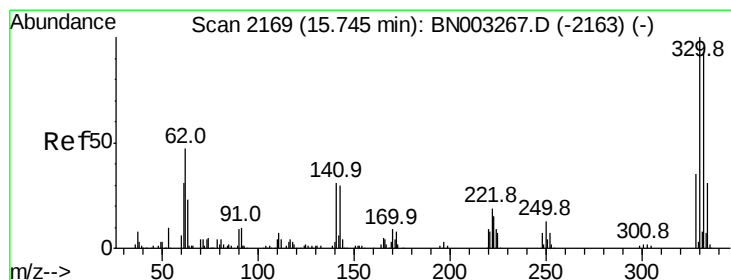
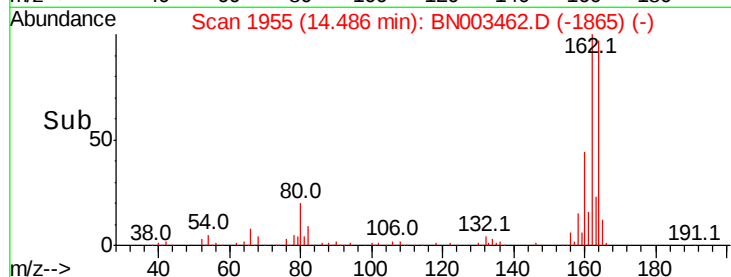
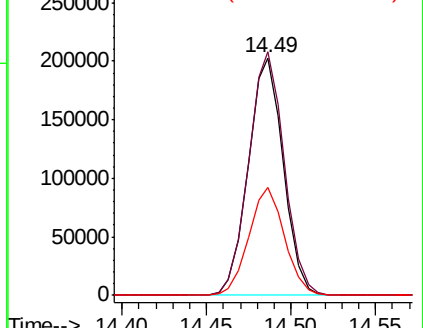
160 45.3 35.5 53.3



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: 111.684 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003462.D

Acq: 07 Nov 2018 21:15

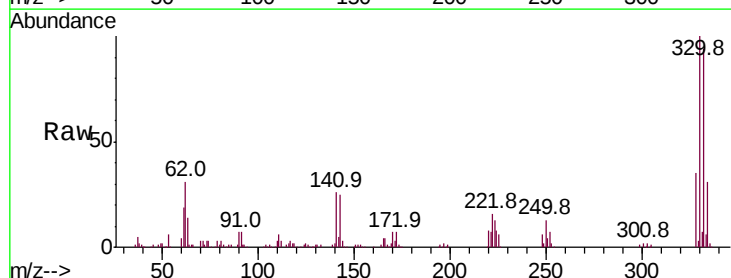
Tgt Ion:330 Resp: 437604

Ion Ratio Lower Upper

330 100

332 95.5 76.6 114.8

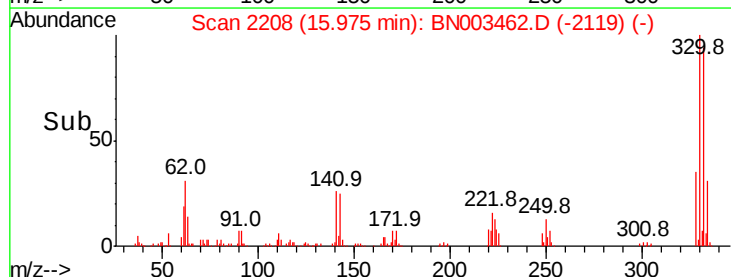
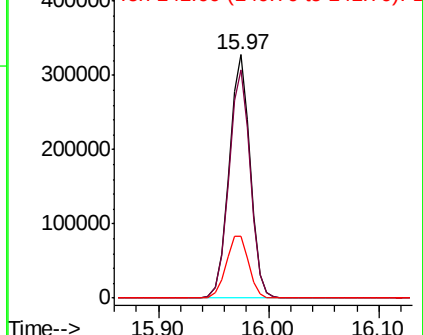
141 27.5 24.5 36.7

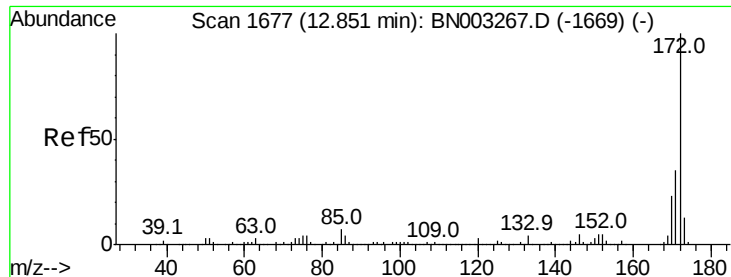


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



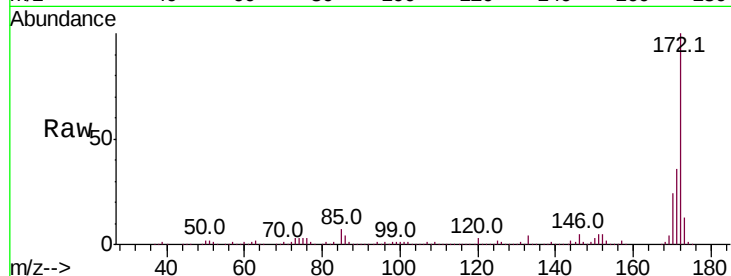


#45
 2-Fluorobiphenyl
 Concen: 101.149 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BN003462.D
 Acq: 07 Nov 2018 21:15

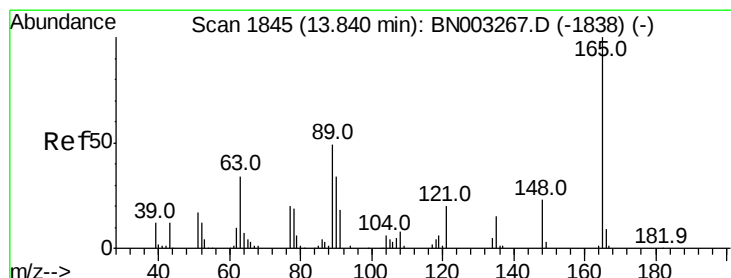
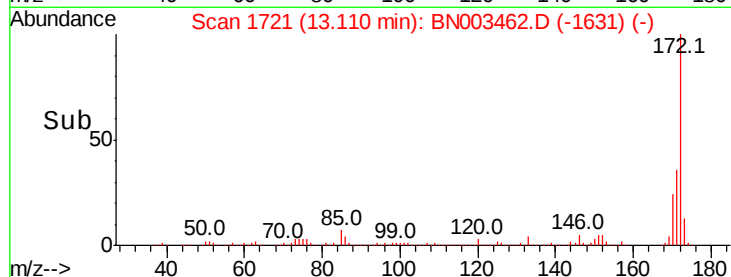
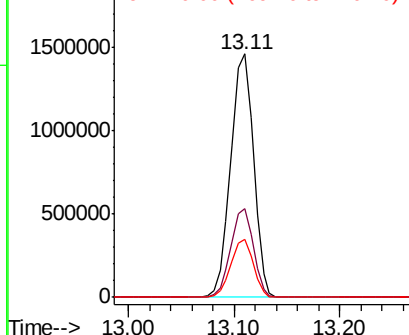
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 2169890

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.4
170	23.8	18.4	27.6



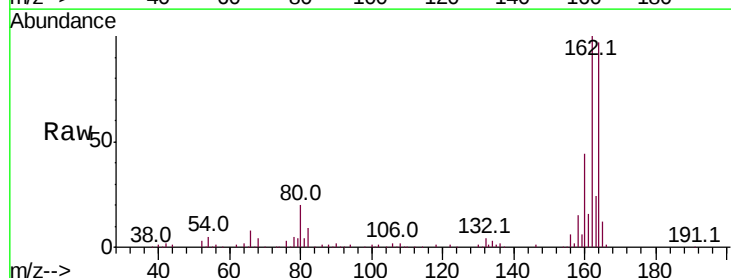
Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



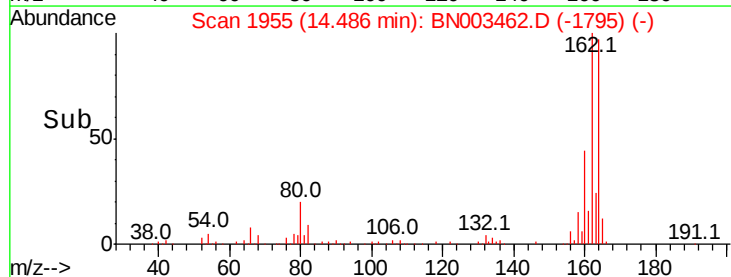
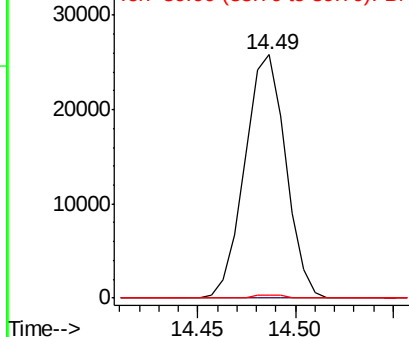
#51
 2,6-Dinitrotoluene
 Concen: 7.037 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003462.D
 Acq: 07 Nov 2018 21:15

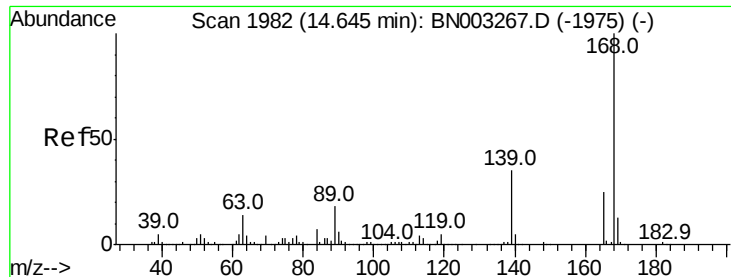
Tgt Ion:165 Resp: 37578

Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.2	58.8#
89	1.4	38.9	58.3#



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

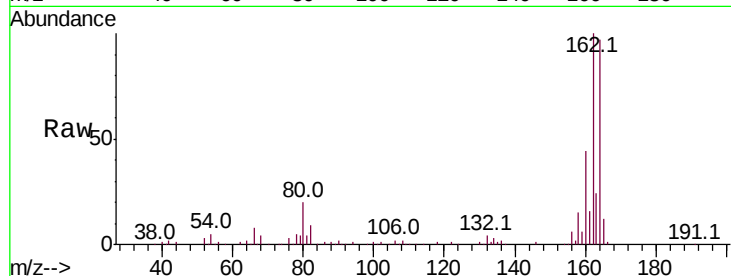




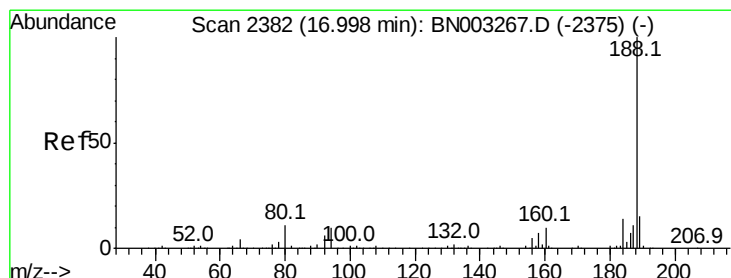
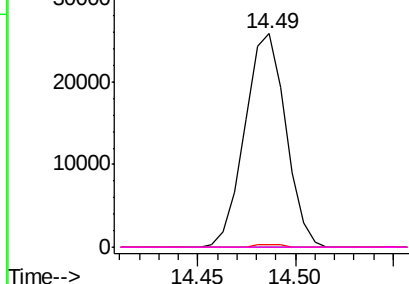
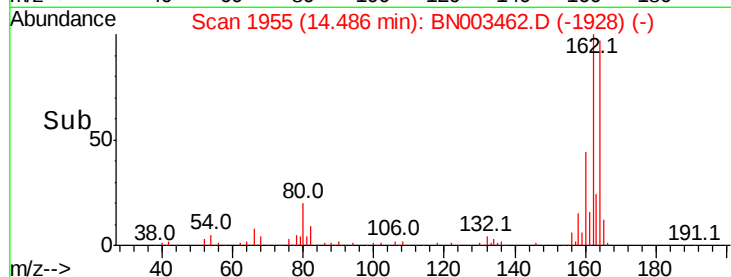
#57
 2,4-Dinitrotoluene
 Concen: 5.190 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BN003462.D
 Acq: 07 Nov 2018 21:15

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 37578
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.6#
 89 1.4 58.7 88.1#
 182 0.0 2.3 3.5#

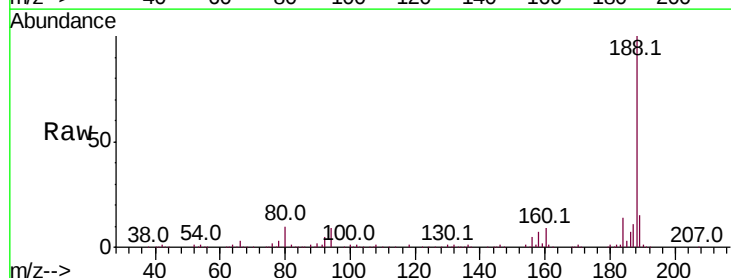


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

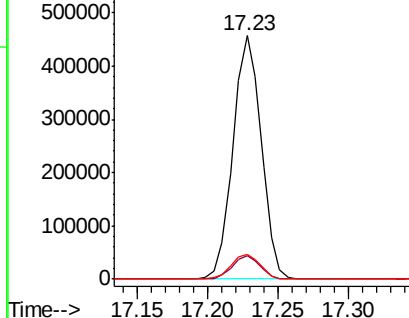
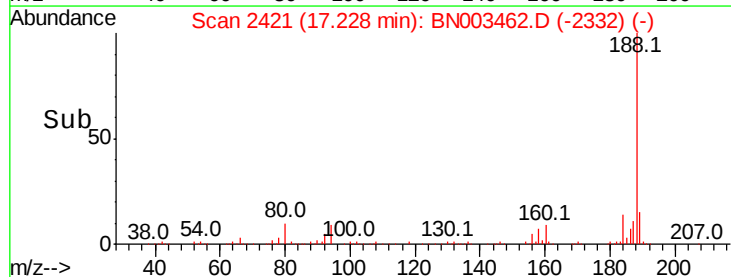


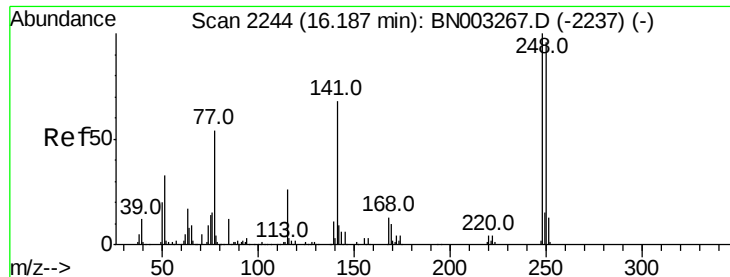
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.23 min Scan# 2421
 Delta R.T. -0.01 min
 Lab File: BN003462.D
 Acq: 07 Nov 2018 21:15

Tgt Ion:188 Resp: 637735
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.1 12.1
 80 10.2 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

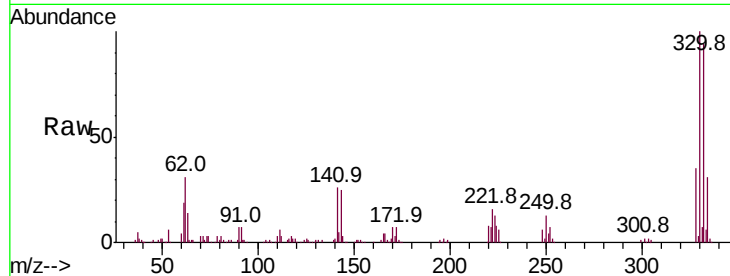




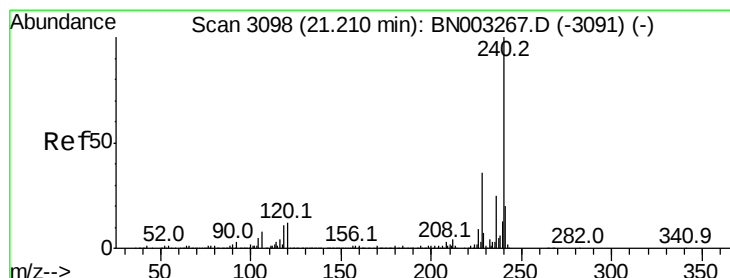
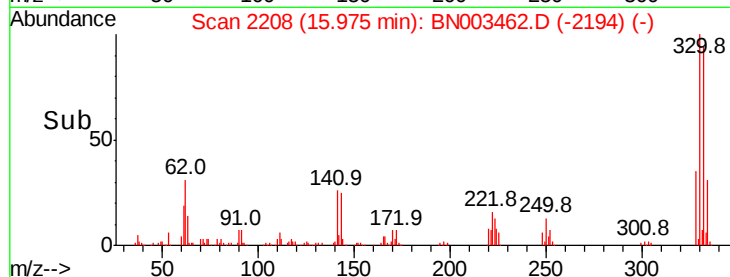
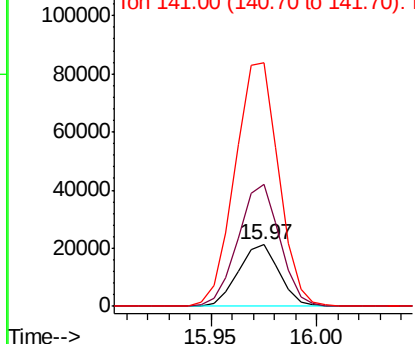
#67
4-Bromophenyl-phenylether
Concen: 3.957 ng
RT: 15.97 min Scan# 2208
Delta R.T. -0.45 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 28418
Ion Ratio Lower Upper
248 100
250 198.1 76.4 114.6#
141 395.5 54.2 81.4#

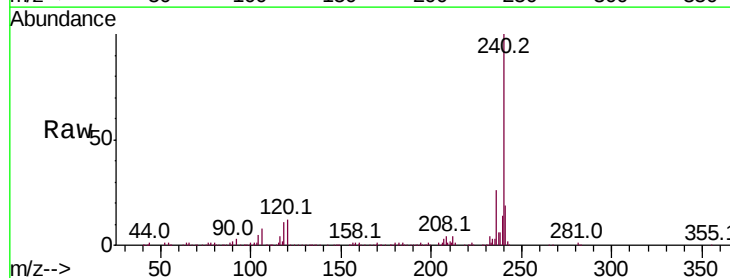


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

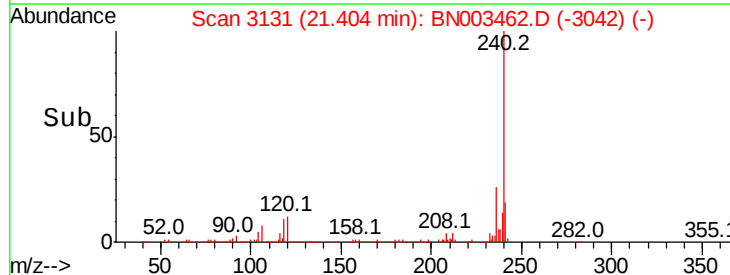
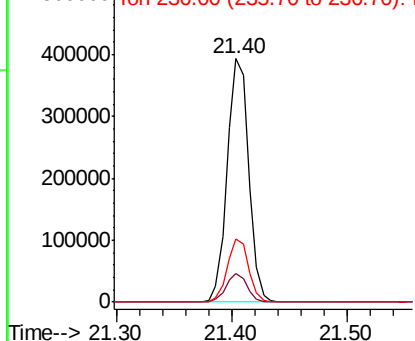


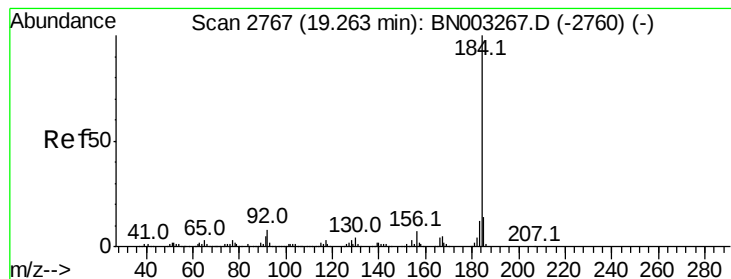
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BN003462.D
Acq: 07 Nov 2018 21:15

Tgt Ion:240 Resp: 506295
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.0
236 26.1 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: 2.168 ng

RT: 19.85 min Scan# 2866

Delta R.T. 0.37 min

Lab File: BN003462.D

Acq: 07 Nov 2018 21:15

Instrument :

BNA_N

ClientSampleId :

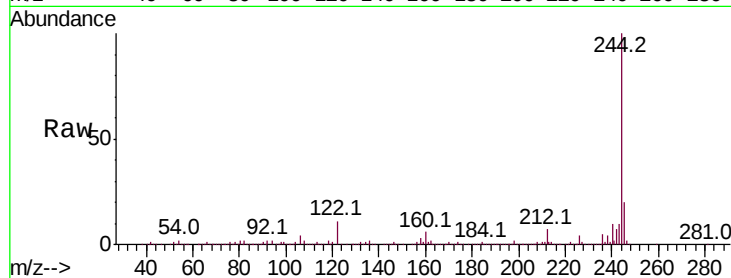
Tot Ion:184 Resp: 32133

Ion Ratio Lower Upper

184 100

185 23.5 11.5 17.3#

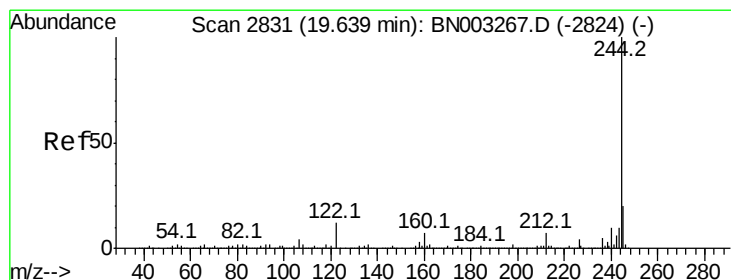
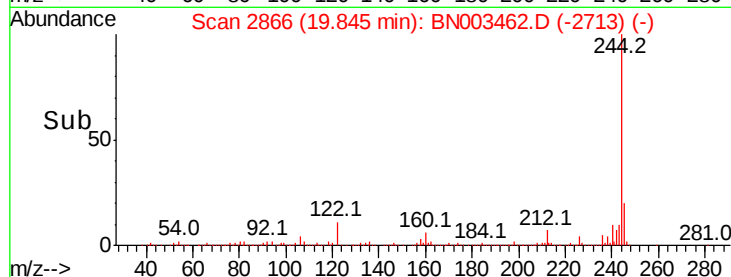
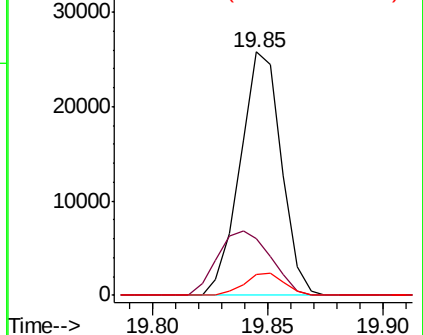
183 8.7 9.4 14.0#



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: 112.478 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003462.D

Acq: 07 Nov 2018 21:15

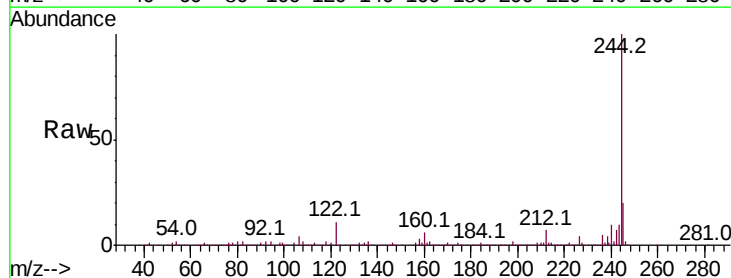
Tgt Ion:244 Resp: 2662882

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

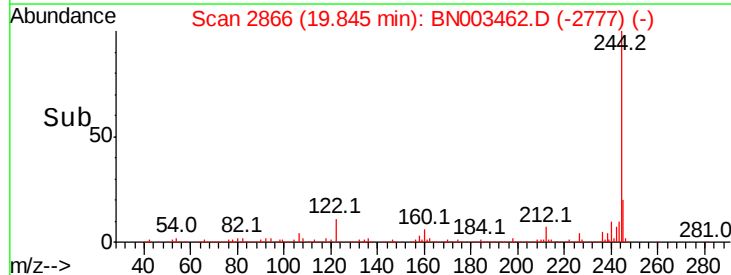
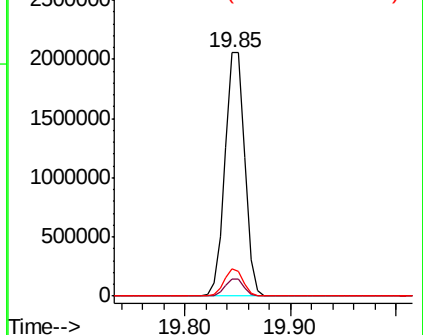
122 11.4 9.4 14.2

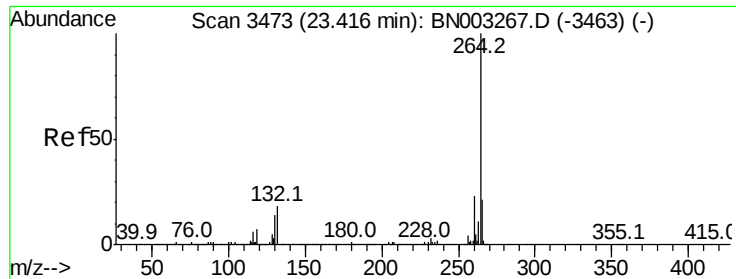


Abundance Ion 244.00 (243.70 to 244.70): E

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: BN003462.D
 Acq: 07 Nov 2018 21:15

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	21.4	16.6	25.0

