

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003463.D
 Acq On : 07 Nov 2018 21:50
 Operator : MJ/SJ
 Sample : J5829-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:33:46 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	116151	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	516298	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	311771	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	690946	20.00	ng	0.00
76) Chrysene-d12	21.40	240	545480	20.00	ng	0.00
87) Perylene-d12	23.72	264	526005	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	284292	42.63	ng	0.00
7) Phenol-d6	7.00	99	231175	24.38	ng	-0.01
23) Nitrobenzene-d5	9.02	82	815742	90.61	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	459277	109.40	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	2232031	97.11	ng	0.00
79) Terphenyl-d14	19.85	244	2770447	108.62	ng	0.00

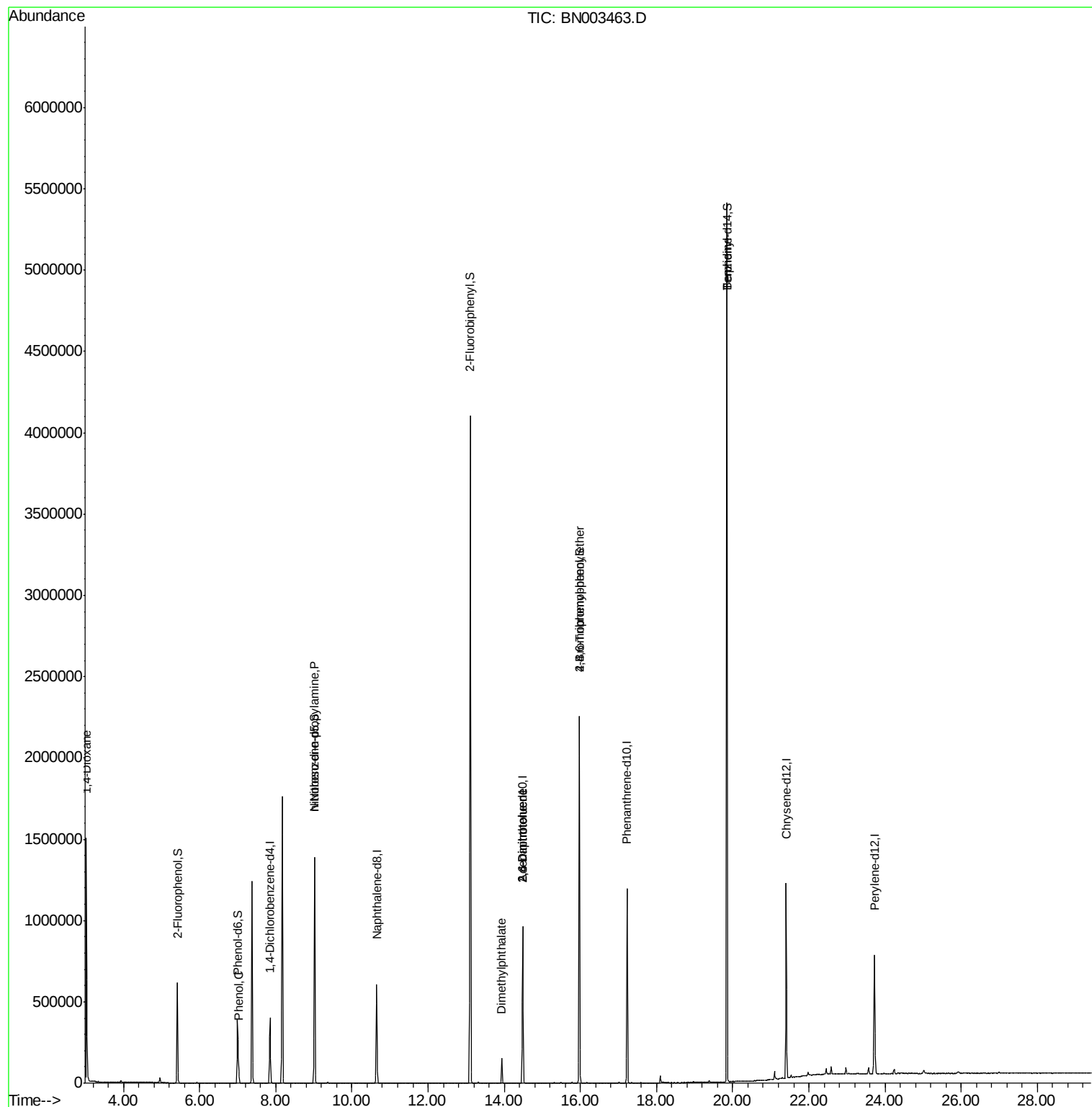
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	11640	3.676	ng	# 1
10) Phenol	7.03	94	48266	4.823	ng	95
19) n-Nitroso-di-n-propylamine	9.02	70	103769	15.176	ng	# 75
50) Dimethylphthalate	13.93	163	102356	4.060	ng	99
51) 2,6-Dinitrotoluene	14.49	165	40656	7.106	ng	# 29
57) 2,4-Dinitrotoluene	14.49	165	40656	5.241	ng	# 20
67) 4-Bromophenyl-phenylether	15.97	248	29502	3.791	ng	# 1
77) Benzidine	19.85	184	33618	2.105	ng	# 94

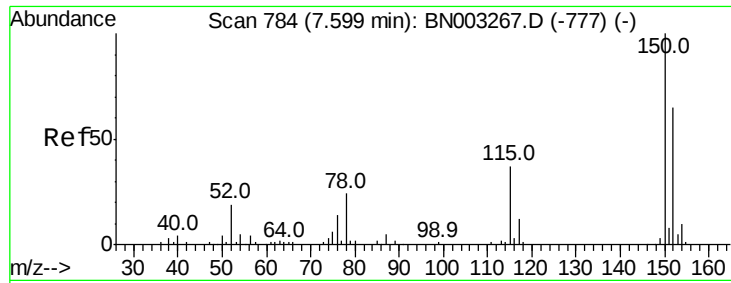
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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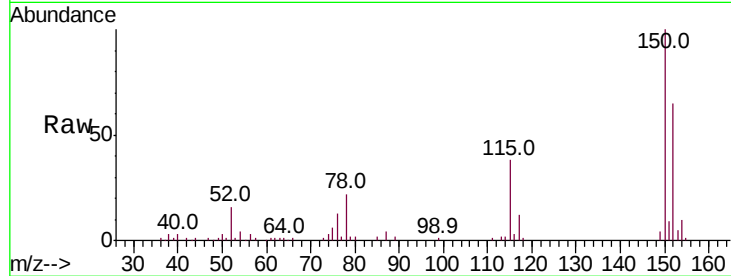


#1

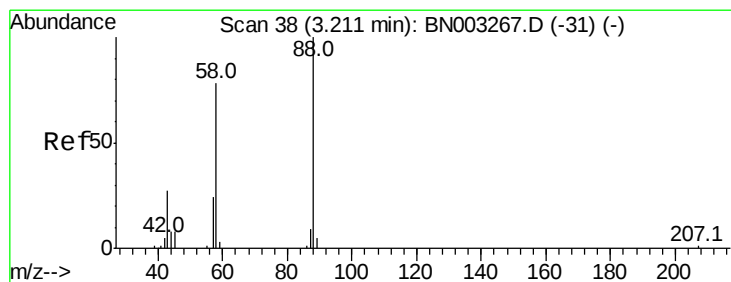
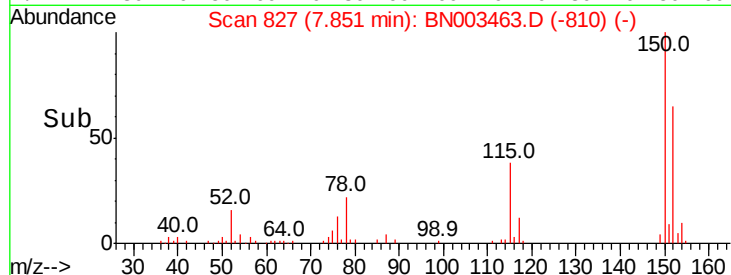
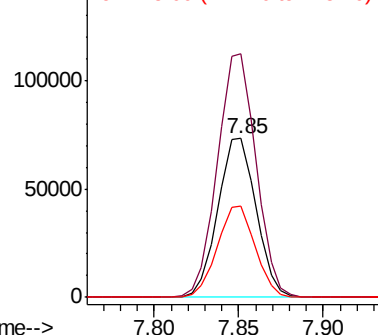
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 827
Delta R.T. -0.00 min
Lab File: BN003463.D
Acq: 07 Nov 2018 21:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 116151
Ion Ratio Lower Upper
152 100
150 153.2 123.8 185.8
115 57.7 45.9 68.9



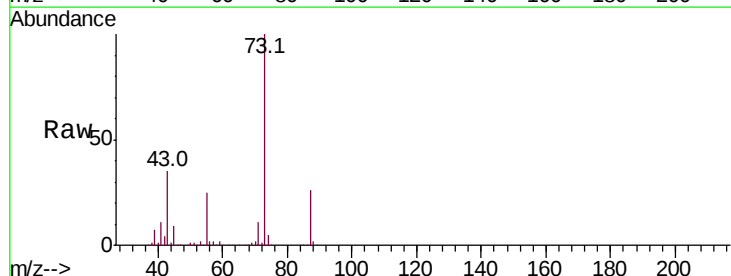
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



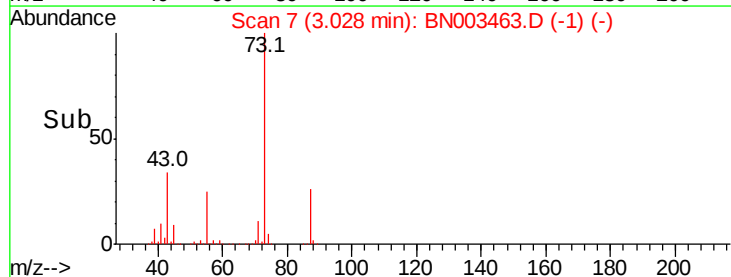
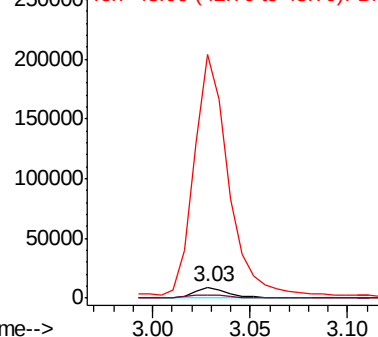
#2

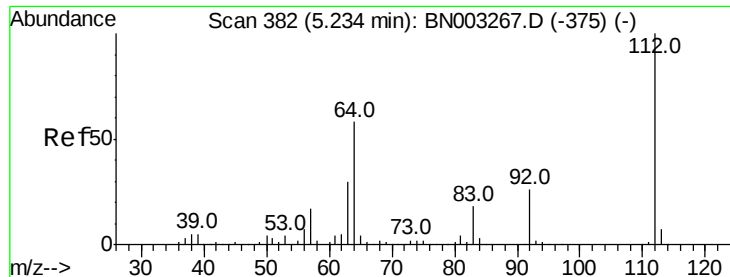
1,4-Dioxane
Concen: 3.676 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003463.D
Acq: 07 Nov 2018 21:50

Tgt Ion: 88 Resp: 11640
Ion Ratio Lower Upper
88 100
58 26.2 61.1 91.7#
43 2142.8 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: 42.631 ng

RT: 5.42 min Scan# 413

Delta R.T. 0.01 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

Instrument :

BNA_N

ClientSampled :

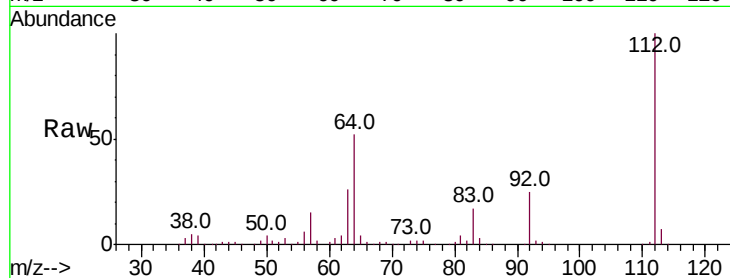
Tot Ion:112 Resp: 284292

Ion Ratio Lower Upper

112 100

64 52.1 46.6 69.8

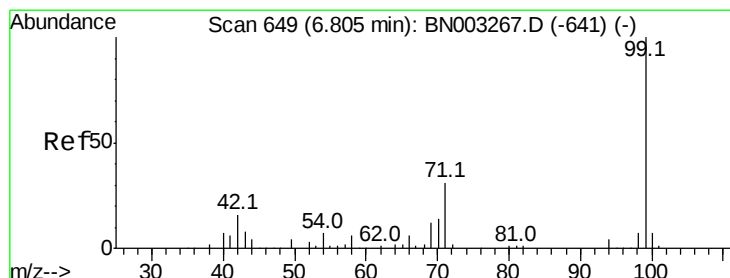
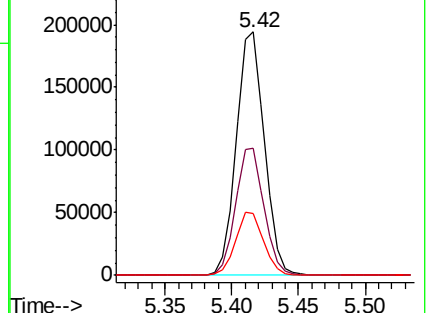
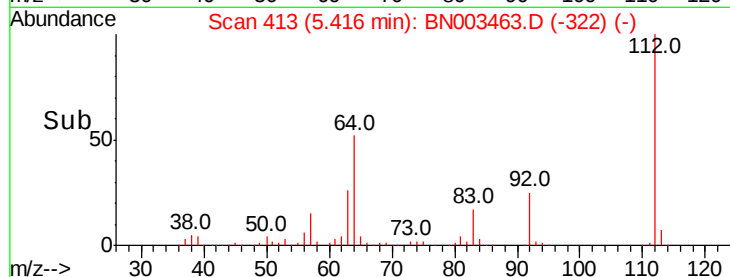
63 25.6 23.8 35.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN

Ion 63.00 (62.70 to 63.70): BN



#7

Phenol-d6

Concen: 24.379 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

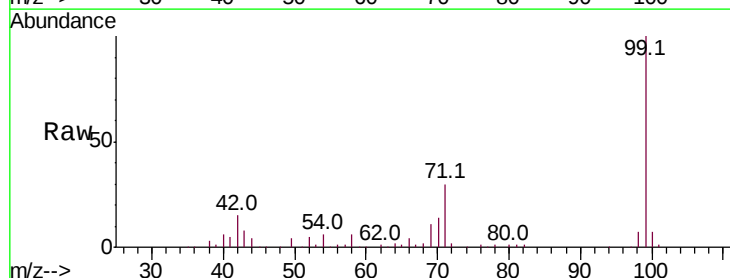
Tgt Ion: 99 Resp: 231175

Ion Ratio Lower Upper

99 100

42 15.1 13.0 19.6

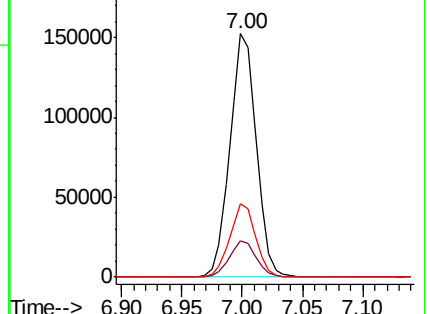
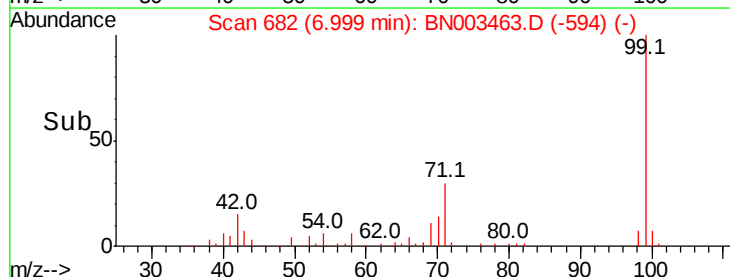
71 30.0 24.5 36.7

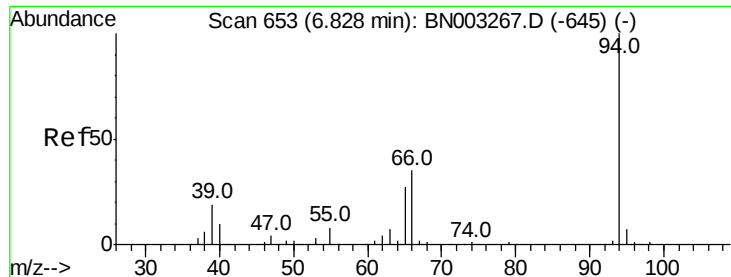


Abundance Ion 99.00 (98.70 to 99.70): BN

Ion 42.00 (41.70 to 42.70): BN

Ion 71.00 (70.70 to 71.70): BN





#10

Phenol

Concen: 4.823 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

Instrument :

BNA_N

ClientSampleId :

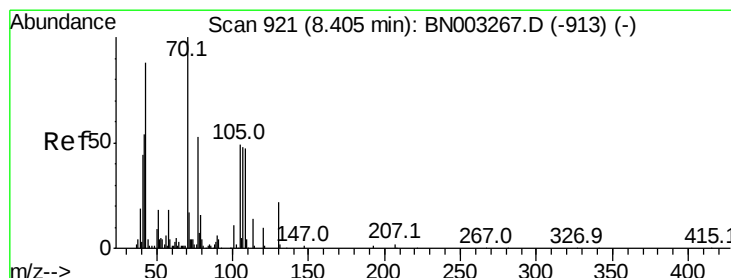
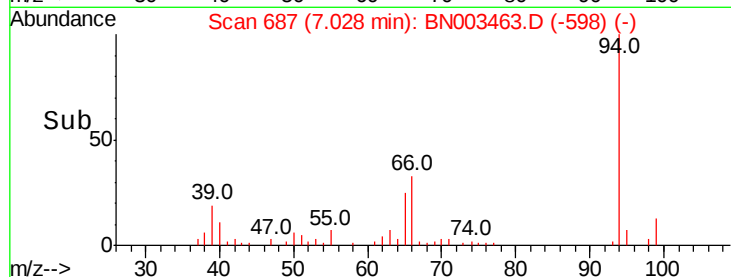
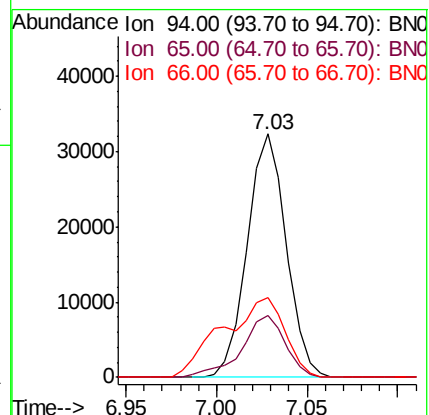
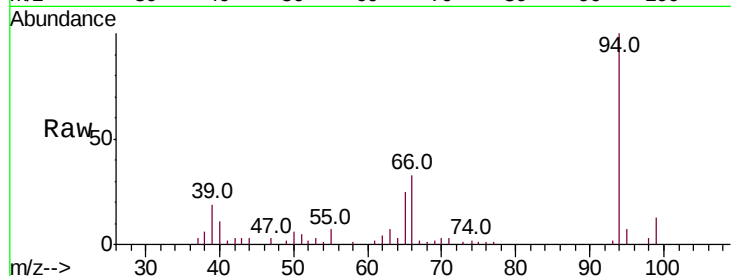
Tot Ion: 94 Resp: 48266

Ion Ratio Lower Upper

94 100

65 25.2 7.7 47.7

66 32.6 15.8 55.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.176 ng

RT: 9.02 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

Tgt Ion: 70 Resp: 103769

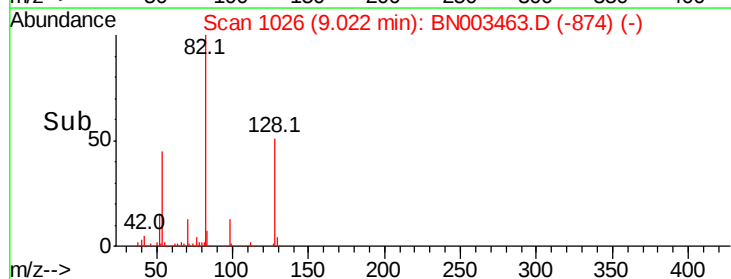
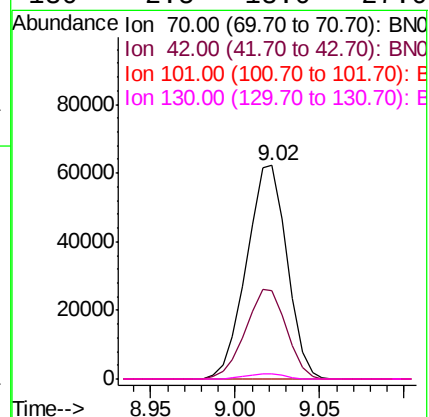
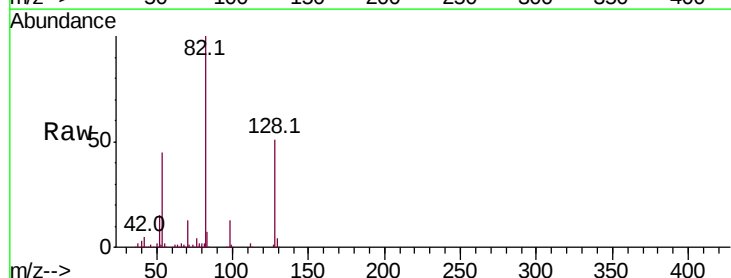
Ion Ratio Lower Upper

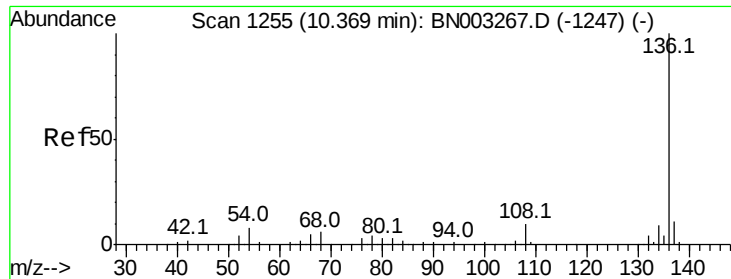
70 100

42 41.7 43.5 65.3#

101 0.0 8.6 12.8#

130 2.5 18.0 27.0#

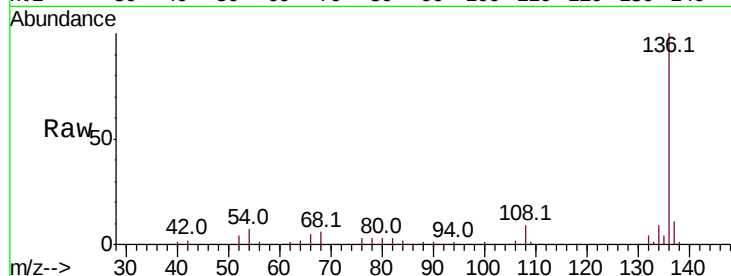




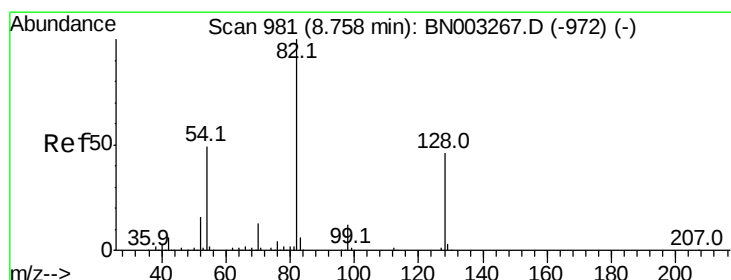
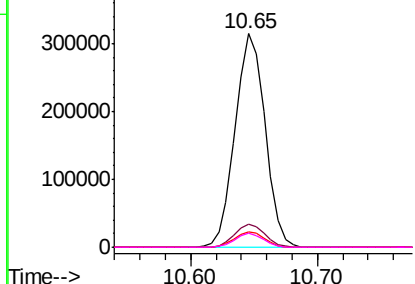
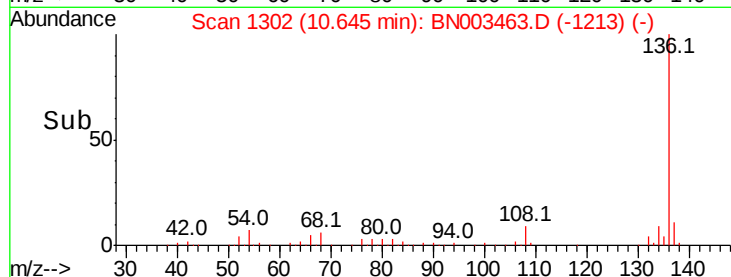
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN003463.D
Acq: 07 Nov 2018 21:50

Instrument :
BNA_N
ClientSampled :

Tot Ion:	136	Resp:	516298
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.2	6.6	10.0
68	6.3	4.6	7.0

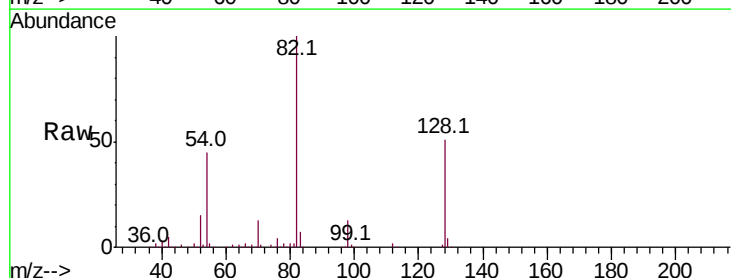


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

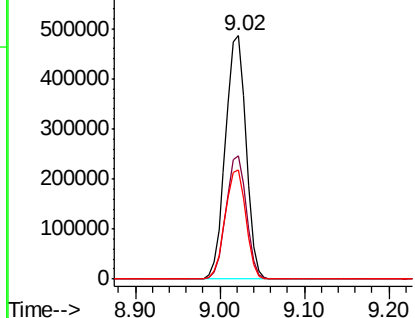
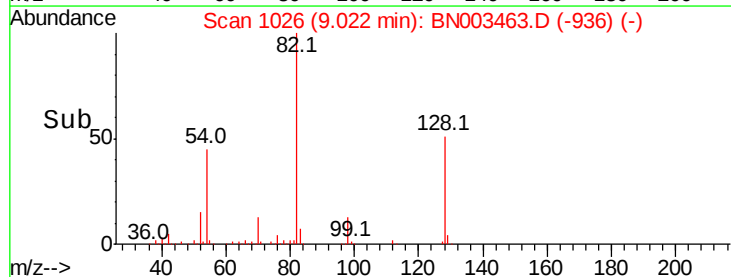


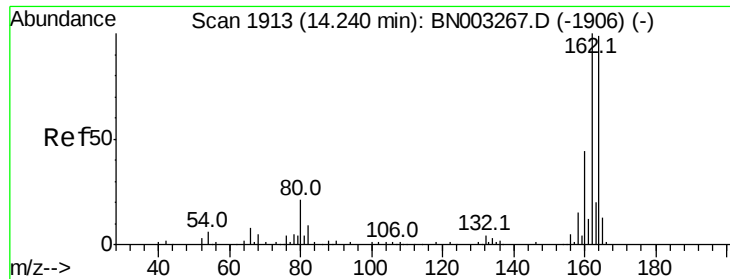
#23
Nitrobenzene-d5
Concen: 90.611 ng
RT: 9.02 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BN003463.D
Acq: 07 Nov 2018 21:50

Tgt Ion:	82	Resp:	815742
Ion	Ratio	Lower	Upper
82	100		
128	50.9	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: BN003463.D

Acq: 07 Nov 2018 21:50

Instrument :

BNA_N

ClientSampleId :

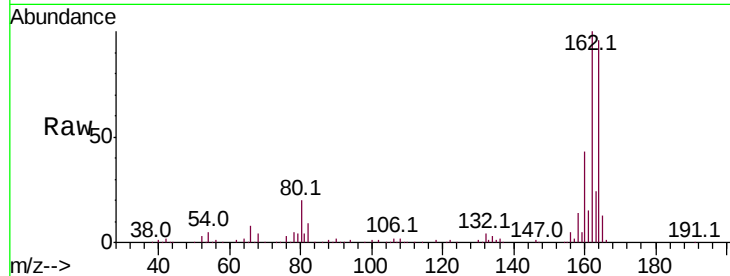
Tot Ion:164 Resp: 311771

Ion Ratio Lower Upper

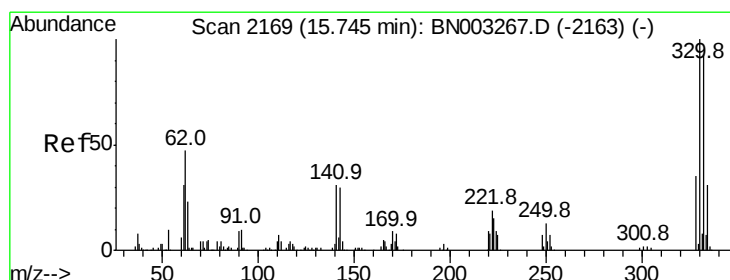
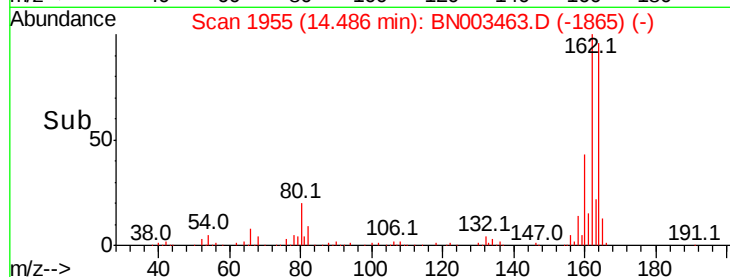
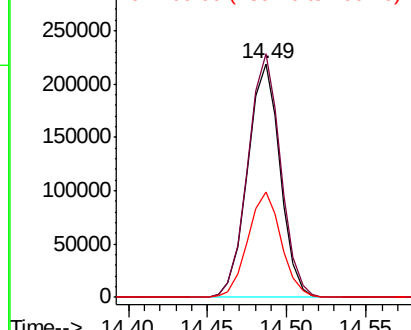
164 100

162 104.1 80.8 121.2

160 44.9 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: 109.401 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

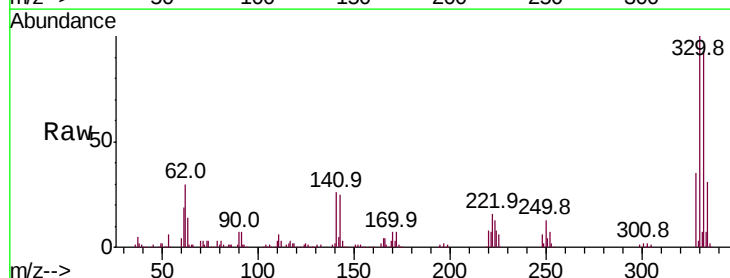
Tgt Ion:330 Resp: 459277

Ion Ratio Lower Upper

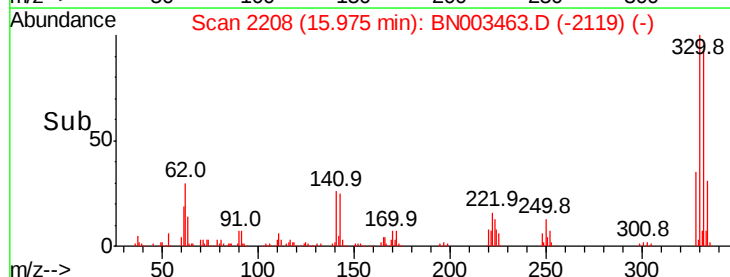
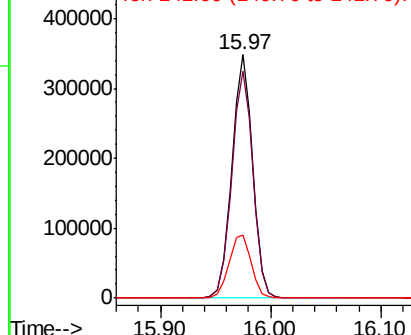
330 100

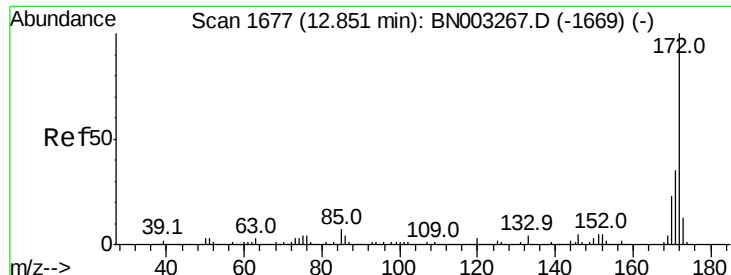
332 95.1 76.6 114.8

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

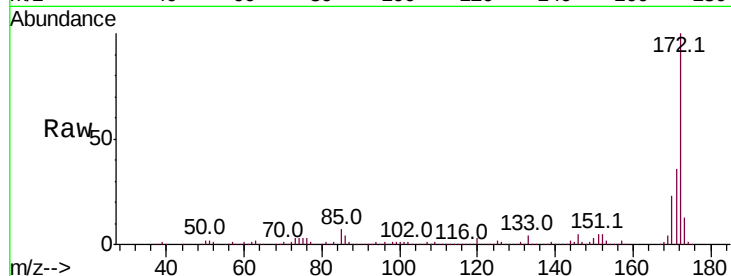




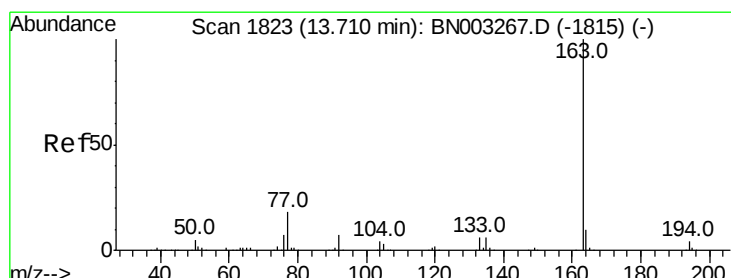
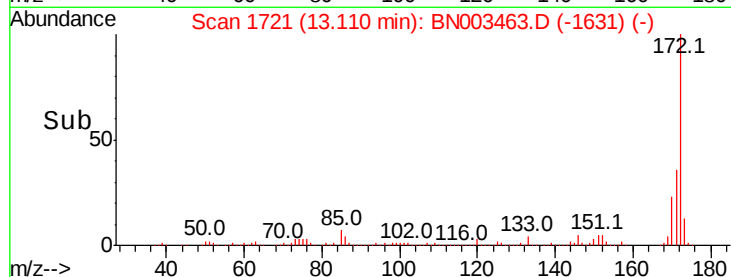
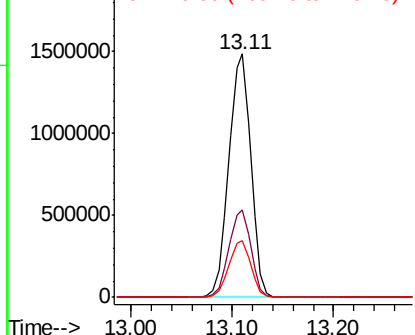
#45
2-Fluorobiphenyl
Concen: 97.109 ng
RT: 13.11 min Scan# 1721
Delta R.T. -0.00 min
Lab File: BN003463.D
Acq: 07 Nov 2018 21:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 2232031
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.4
170 23.5 18.4 27.6

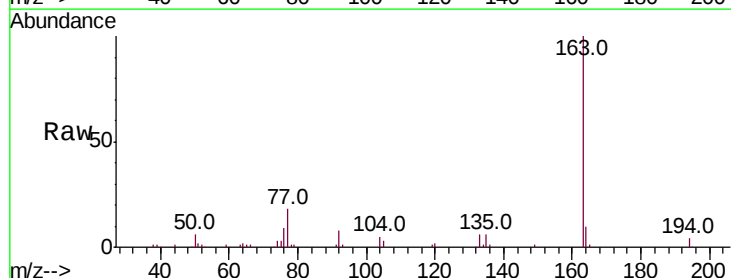


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

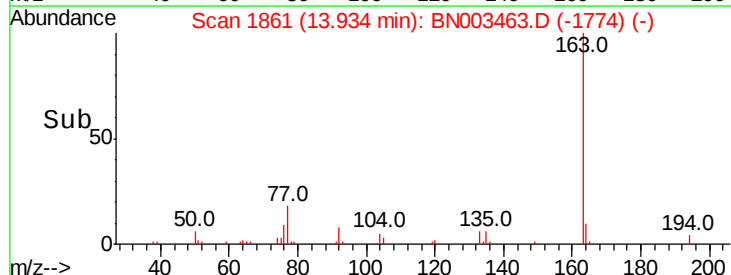
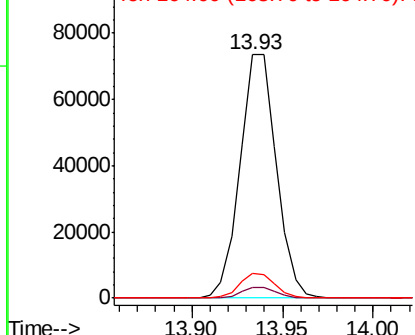


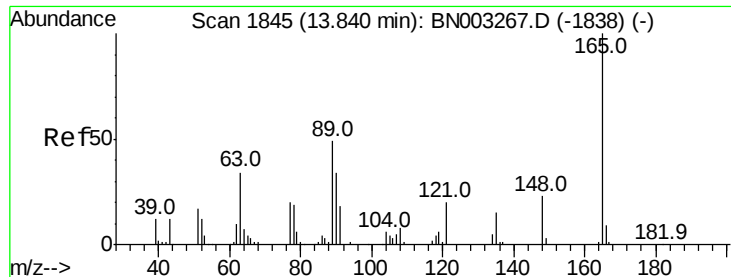
#50
Dimethylphthalate
Concen: 4.060 ng
RT: 13.93 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BN003463.D
Acq: 07 Nov 2018 21:50

Tgt Ion:163 Resp: 102356
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
100000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

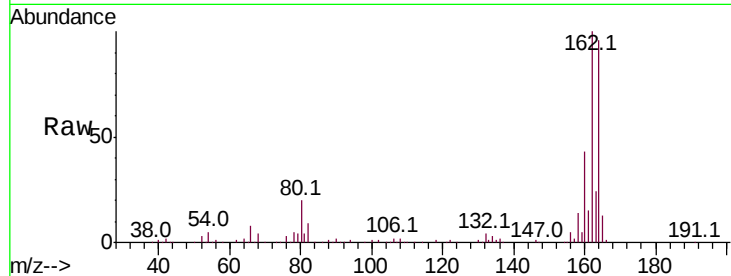




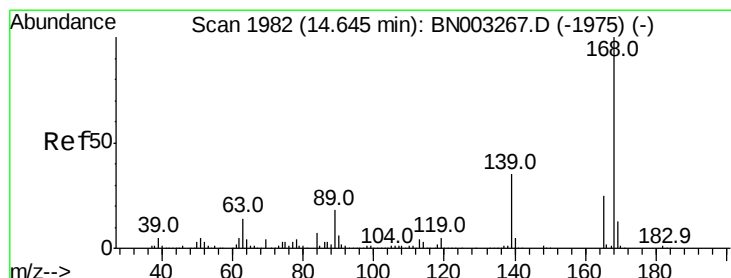
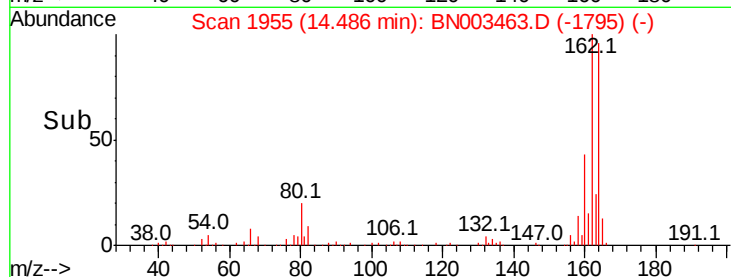
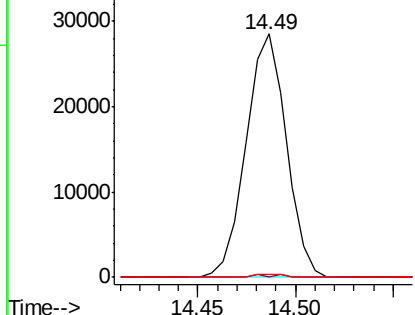
#51
 2,6-Dinitrotoluene
 Concen: 7.106 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003463.D
 Acq: 07 Nov 2018 21:50

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#



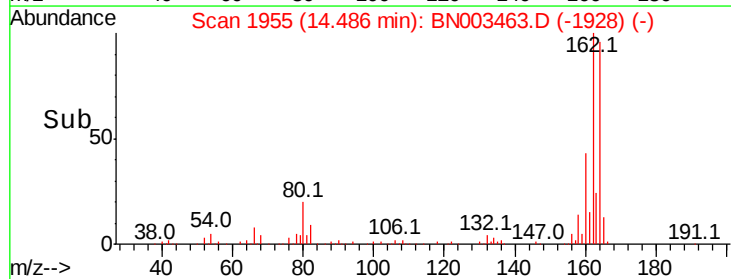
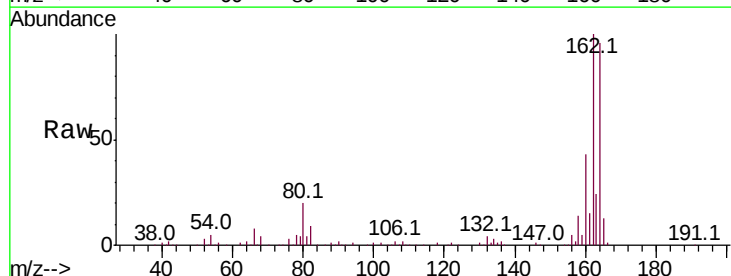
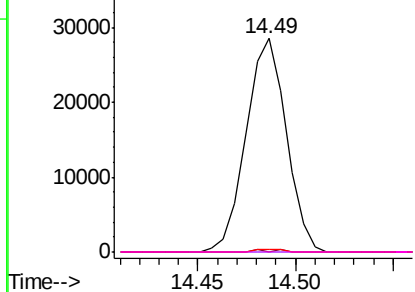
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

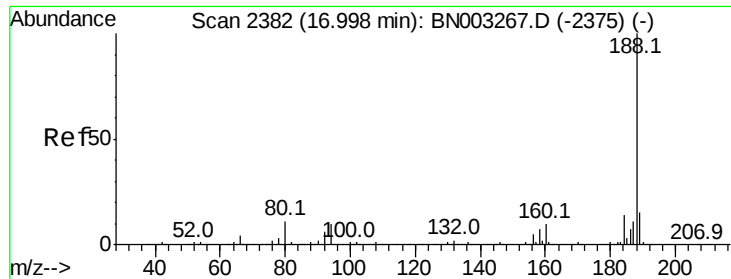


#57
 2,4-Dinitrotoluene
 Concen: 5.241 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BN003463.D
 Acq: 07 Nov 2018 21:50

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#

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: BN003463.D

Acq: 07 Nov 2018 21:50

Instrument :

BNA_N

ClientSampleId :

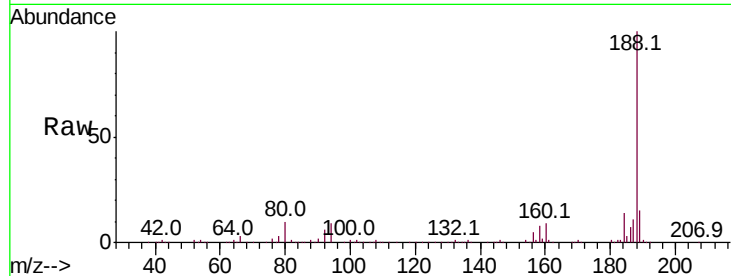
Tot Ion:188 Resp: 690946

Ion Ratio Lower Upper

188 100

94 9.5 8.1 12.1

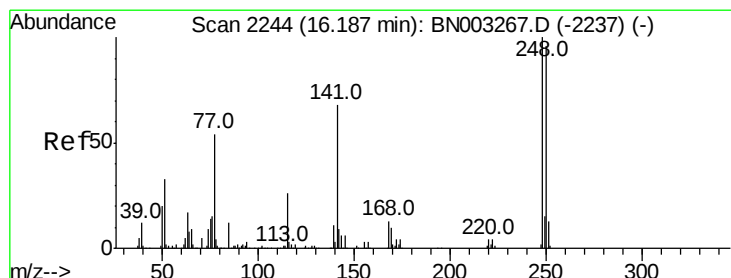
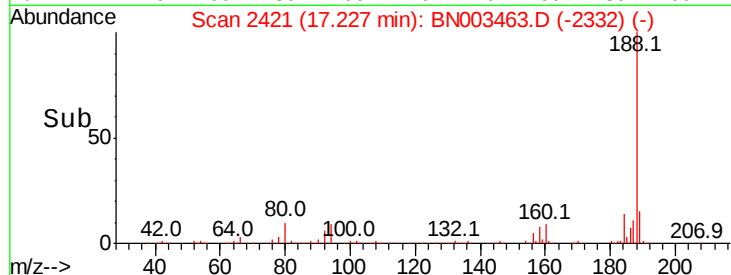
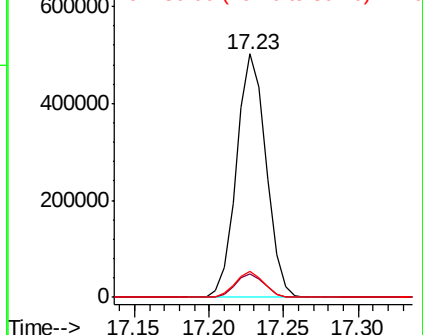
80 10.5 8.6 13.0



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: 3.791 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

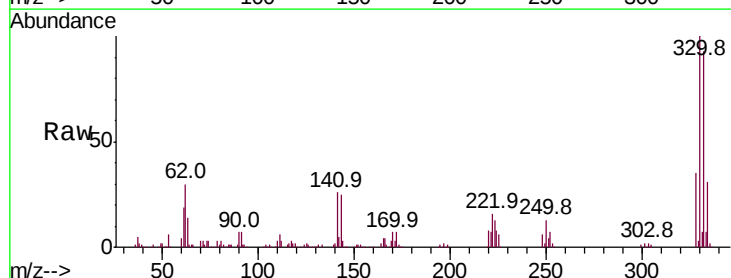
Tgt Ion:248 Resp: 29502

Ion Ratio Lower Upper

248 100

250 202.9 76.4 114.6#

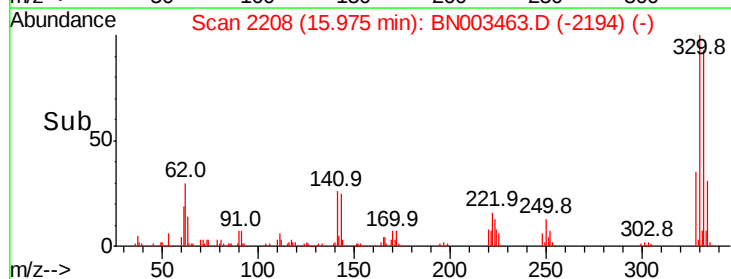
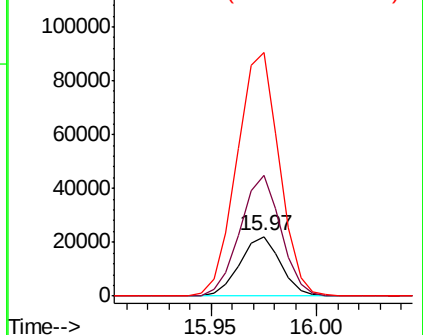
141 408.1 54.2 81.4#

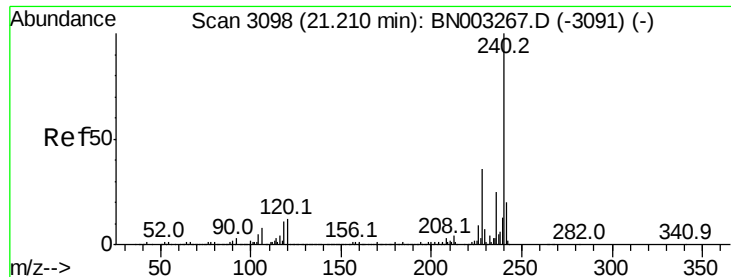


Abundance Ion 248.00 (247.70 to 248.70): E

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: BN003463.D

Acq: 07 Nov 2018 21:50

Instrument :

BNA_N

ClientSampled :

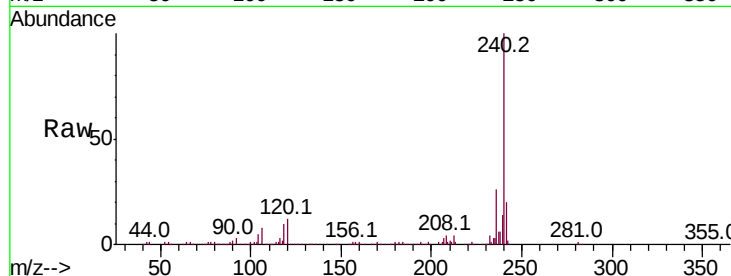
Tot Ion:240 Resp: 545480

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.0

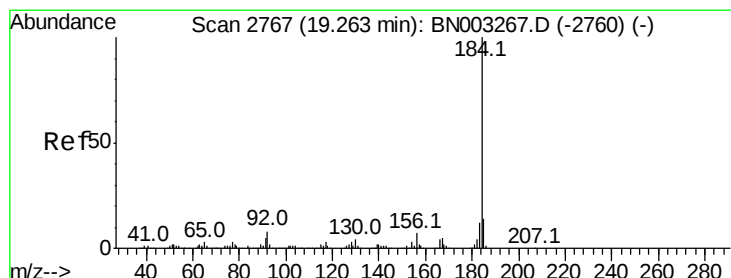
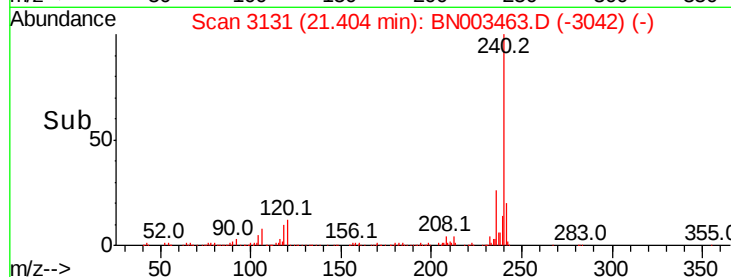
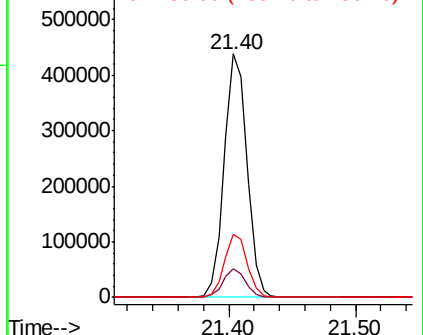
236 25.9 20.3 30.5



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: 2.105 ng

RT: 19.85 min Scan# 2867

Delta R.T. 0.38 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

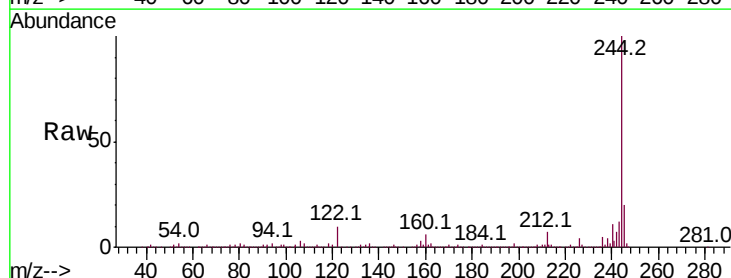
Tgt Ion:184 Resp: 33618

Ion Ratio Lower Upper

184 100

185 16.9 11.5 17.3

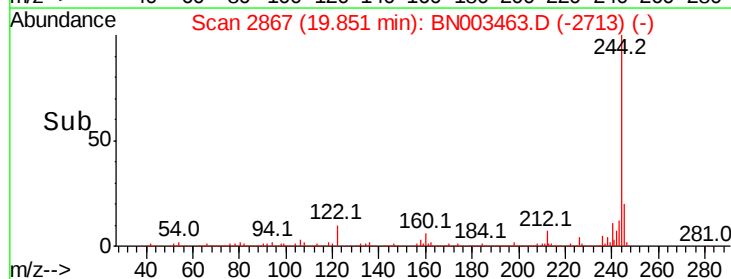
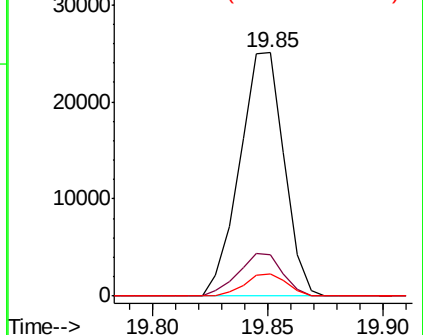
183 9.2 9.4 14.0#

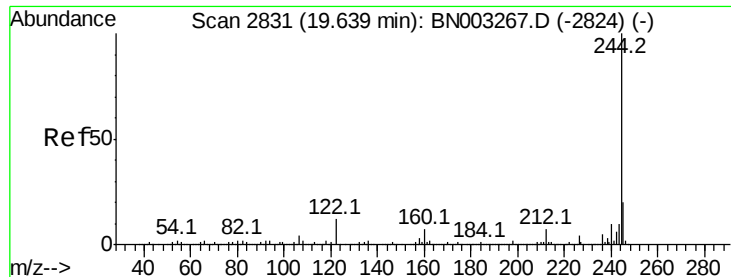


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 108.615 ng

RT: 19.85 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BN003463.D

Acq: 07 Nov 2018 21:50

Instrument :

BNA_N

ClientSampleId :

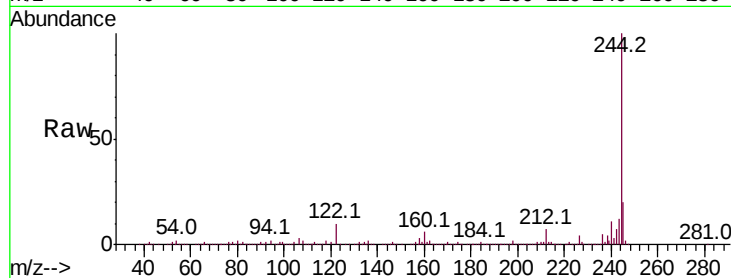
Tot Ion:244 Resp: 2770447

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

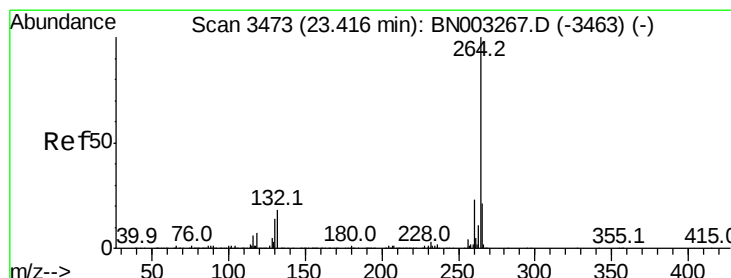
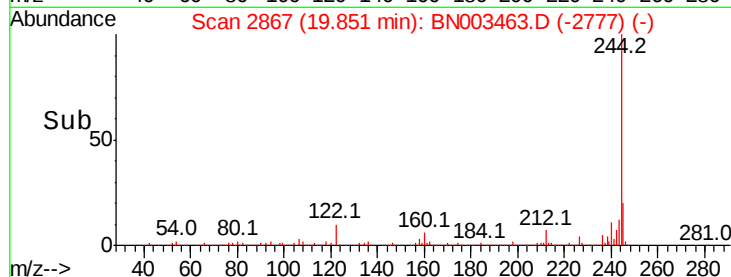
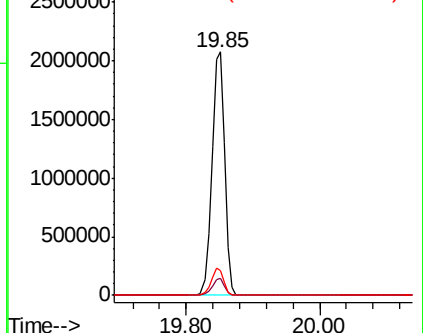
122 10.2 9.4 14.2



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: BN003463.D

Acq: 07 Nov 2018 21:50

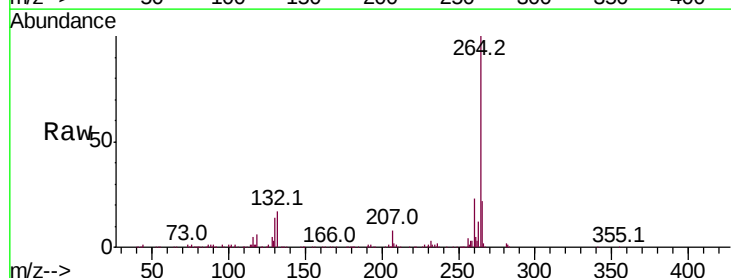
Tgt Ion:264 Resp: 526005

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 21.7 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

