

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003453.D
 Acq On : 07 Nov 2018 16:00
 Operator : MJ/SJ
 Sample : J5829-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:32:18 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

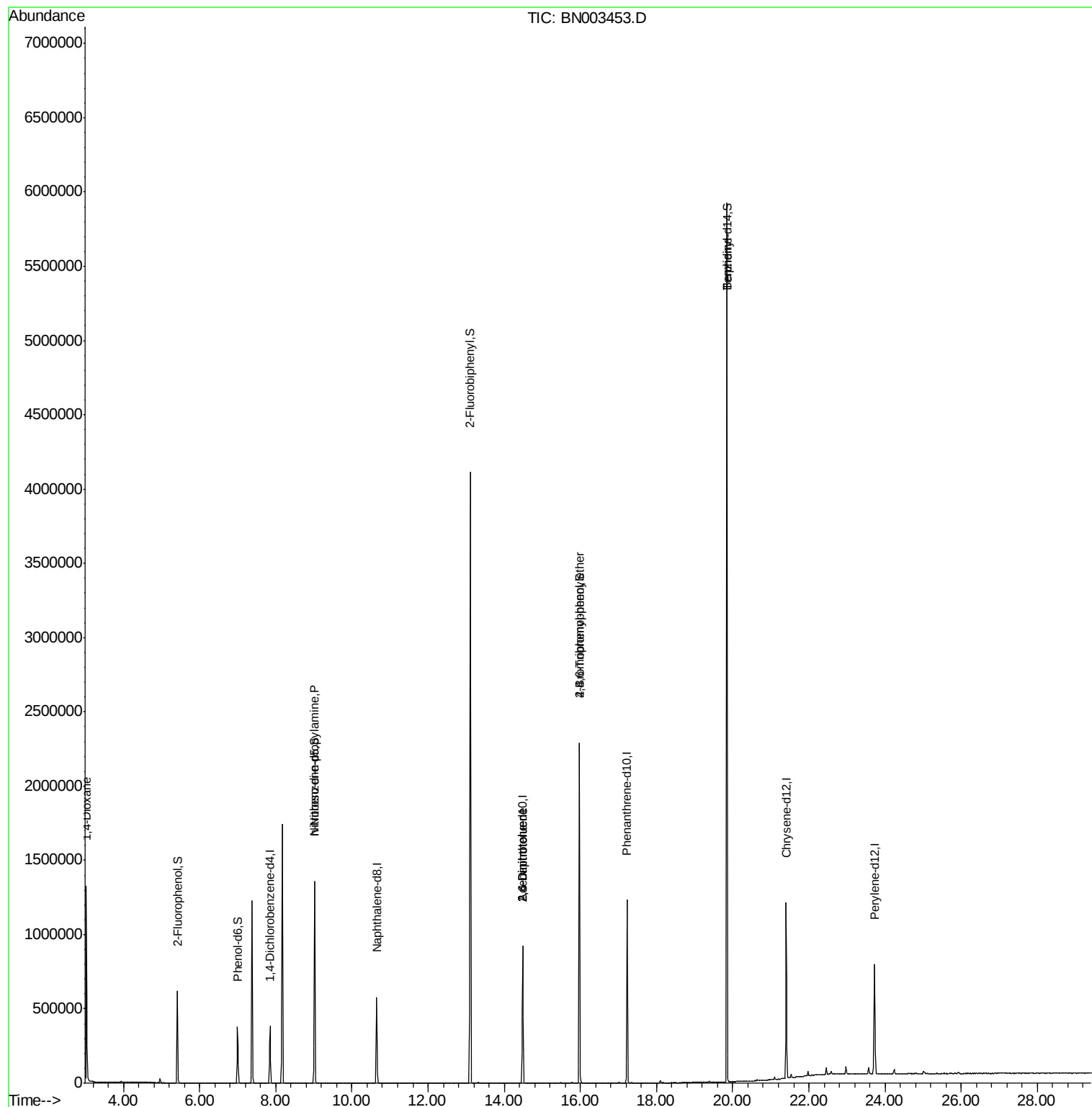
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	109592	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	494962	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	306359	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	686802	20.00	ng	0.00
76) Chrysene-d12	21.40	240	556764	20.00	ng	0.00
87) Perylene-d12	23.72	264	535108	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	281683	44.77	ng	0.00
7) Phenol-d6	7.00	99	227917	25.47	ng	-0.01
23) Nitrobenzene-d5	9.02	82	791911	91.76	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	467097	113.23	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	2223092	98.43	ng	0.00
79) Terphenyl-d14	19.85	244	2816265	108.17	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.03	88	10367	3.470	ng	# 1
19) n-Nitroso-di-n-propylamine	9.02	70	100565	15.587	ng	# 74
51) 2,6-Dinitrotoluene	14.49	165	39254	6.982	ng	# 30
57) 2,4-Dinitrotoluene	14.49	165	39254	5.149	ng	# 20
67) 4-Bromophenyl-phenylether	15.97	248	30552	3.950	ng	# 1
77) Benzidine	19.85	184	34545	2.119	ng	# 94

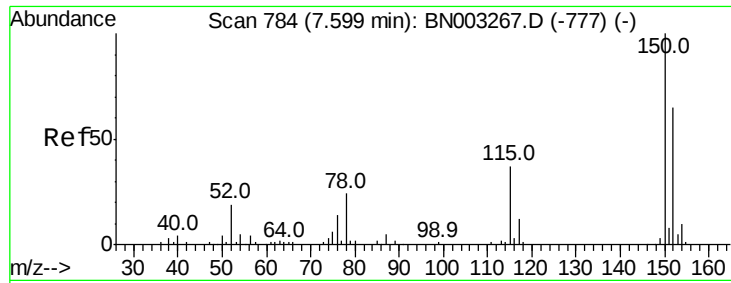
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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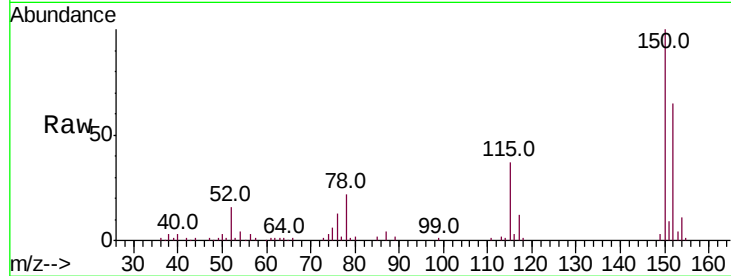


#1

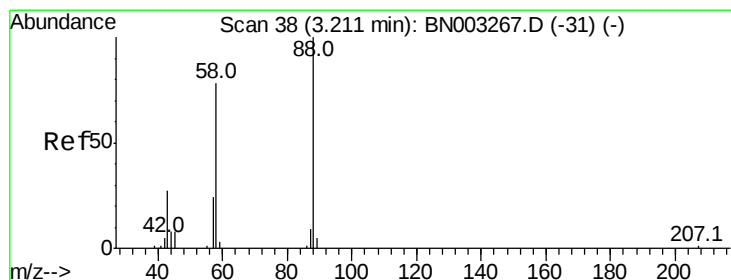
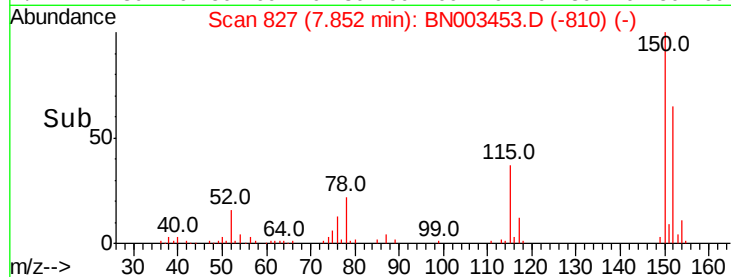
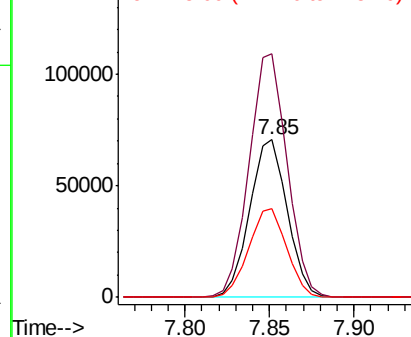
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 827
Delta R.T. 0.00 min
Lab File: BN003453.D
Acq: 07 Nov 2018 16:00

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 109592
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.8
115 56.6 45.9 68.9



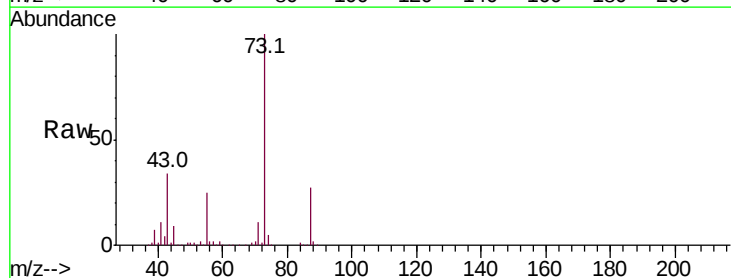
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



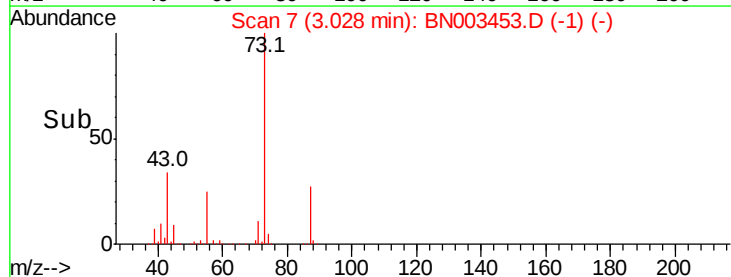
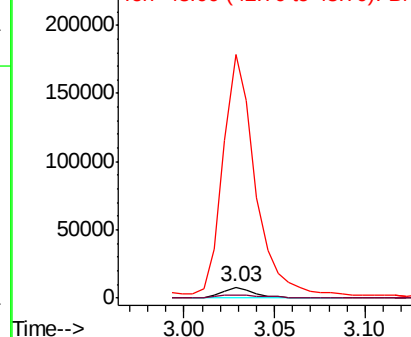
#2

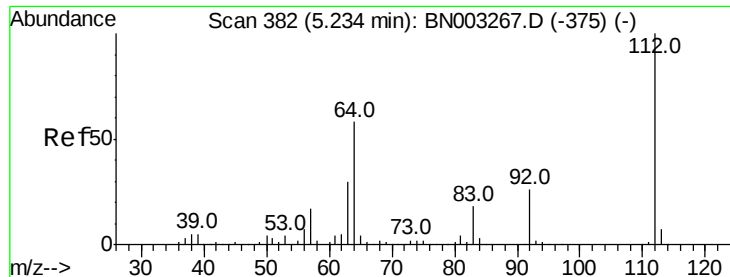
1,4-Dioxane
Concen: 3.470 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003453.D
Acq: 07 Nov 2018 16:00

Tgt Ion: 88 Resp: 10367
Ion Ratio Lower Upper
88 100
58 29.7 61.1 91.7#
43 2134.0 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

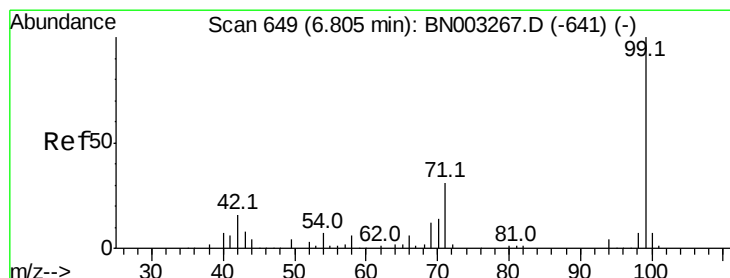
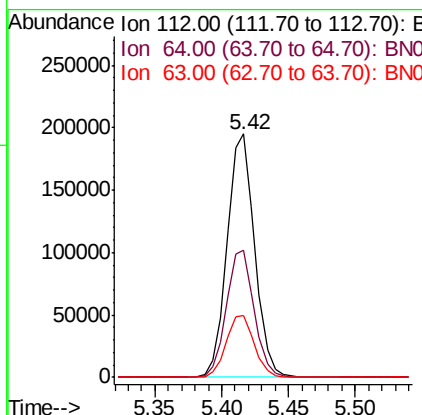
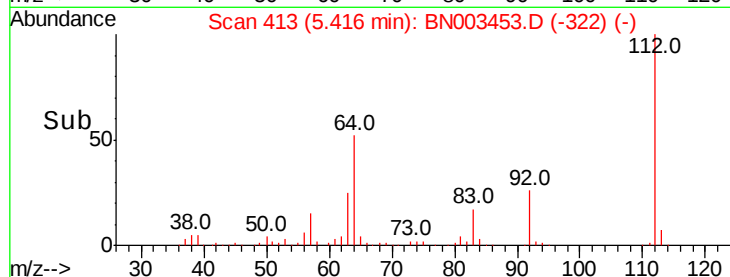
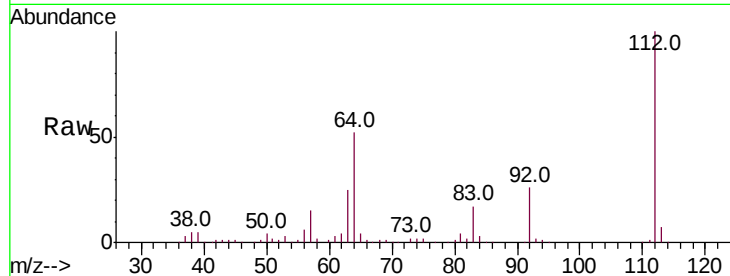




#5
 2-Fluorophenol
 Concen: 44.768 ng
 RT: 5.42 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: BN003453.D
 Acq: 07 Nov 2018 16:00

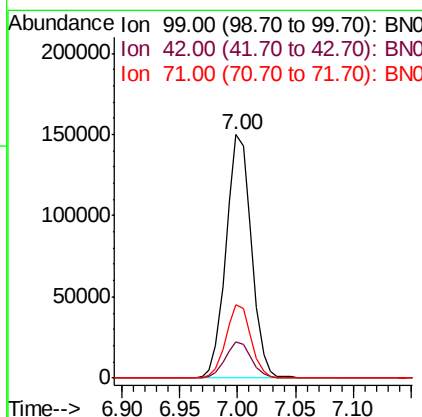
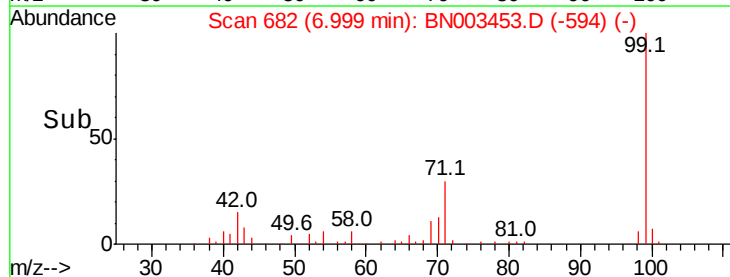
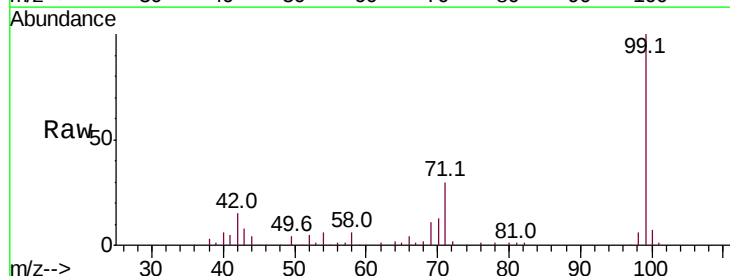
Instrument :
 BNA_N
 ClientSampled :

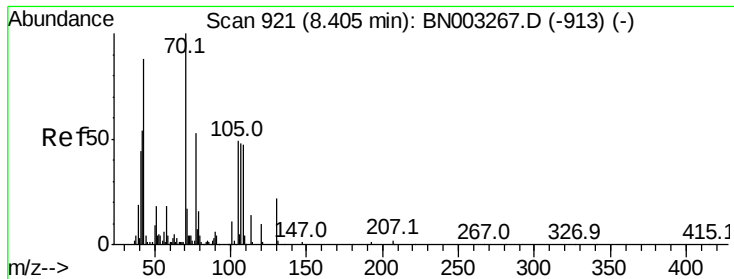
Tot Ion:	112	Resp:	281683
Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.6	69.8
63	25.2	23.8	35.8



#7
 Phenol-d6
 Concen: 25.474 ng
 RT: 7.00 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BN003453.D
 Acq: 07 Nov 2018 16:00

Tgt Ion:	99	Resp:	227917
Ion	Ratio	Lower	Upper
99	100		
42	14.7	13.0	19.6
71	30.0	24.5	36.7





#19

n-Nitroso-di-n-propylamine

Concen: 15.587 ng

RT: 9.02 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BN003453.D

Acq: 07 Nov 2018 16:00

Instrument :

BNA_N

ClientSampled :

Tot Ion: 70 Resp: 100565

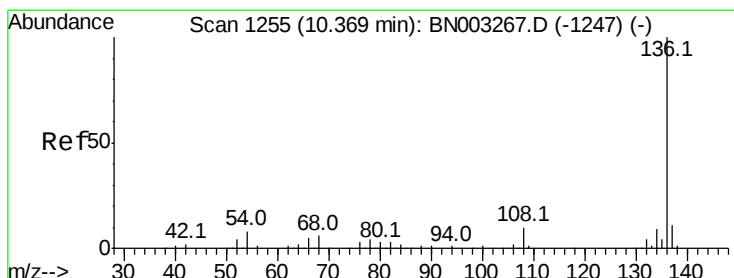
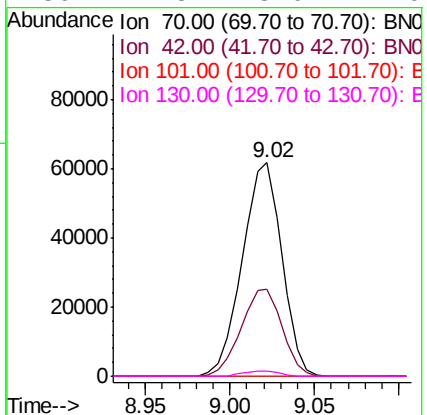
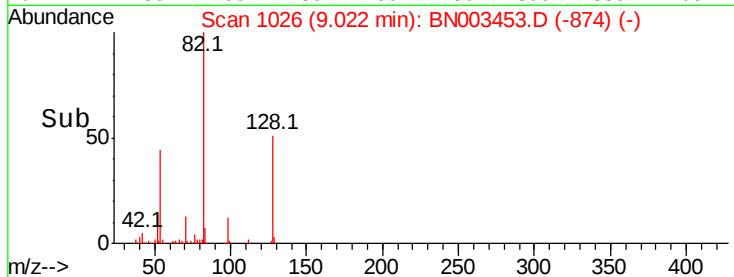
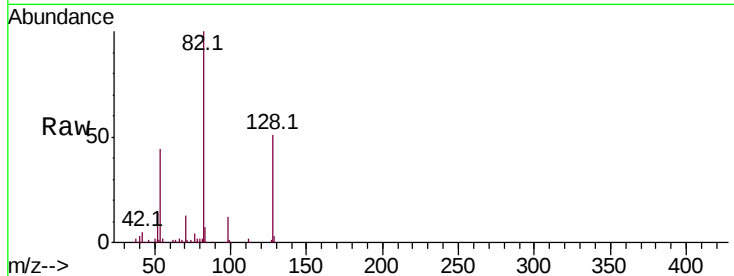
Ion Ratio Lower Upper

70 100

42 40.5 43.5 65.3#

101 0.0 8.6 12.8#

130 2.3 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: BN003453.D

Acq: 07 Nov 2018 16:00

Tgt Ion: 136 Resp: 494962

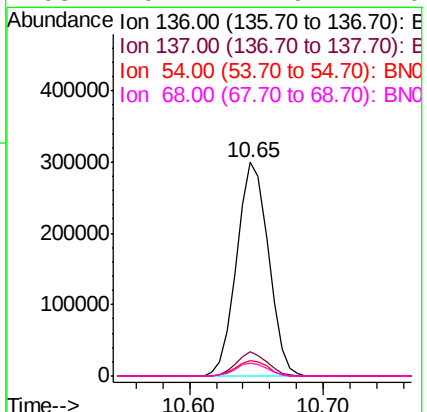
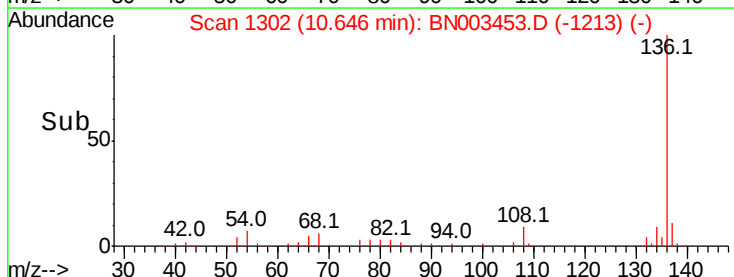
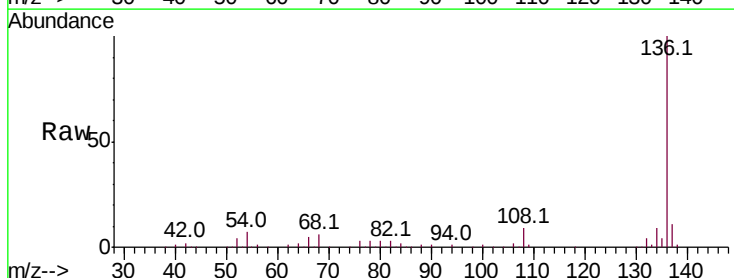
Ion Ratio Lower Upper

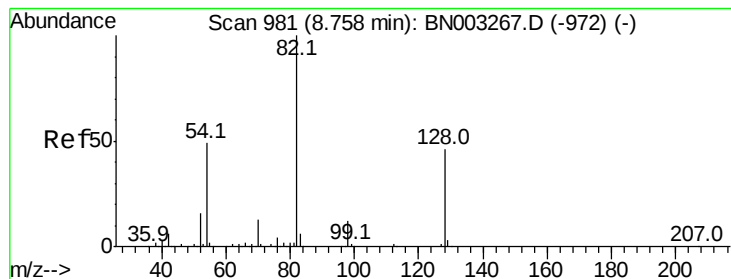
136 100

137 11.2 8.7 13.1

54 7.2 6.6 10.0

68 6.2 4.6 7.0





#23

Nitrobenzene-d5

Concen: 91.756 ng

RT: 9.02 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BN003453.D

Acq: 07 Nov 2018 16:00

Instrument :

BNA_N

ClientSampleId :

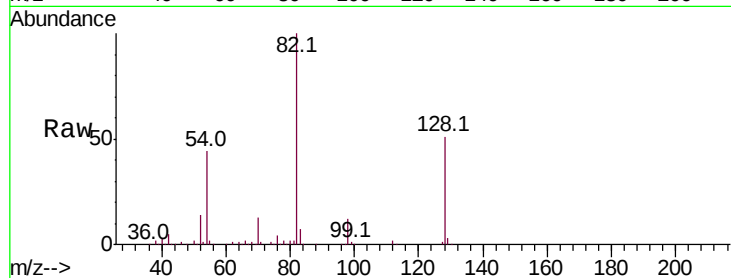
Tot Ion: 82 Resp: 791911

Ion Ratio Lower Upper

82 100

128 50.5 37.1 55.7

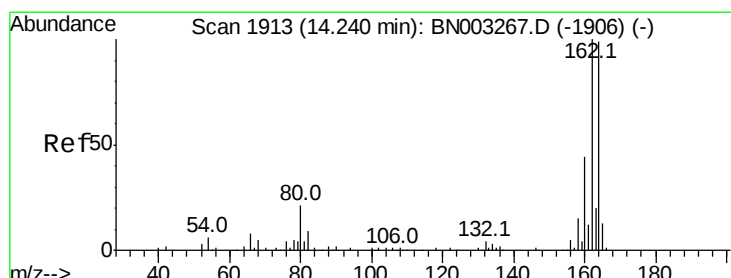
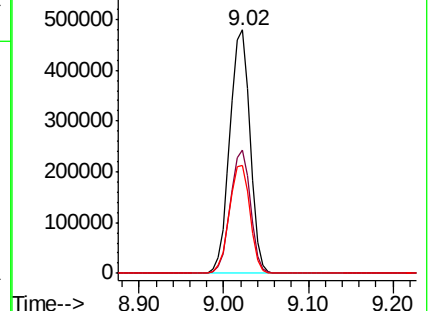
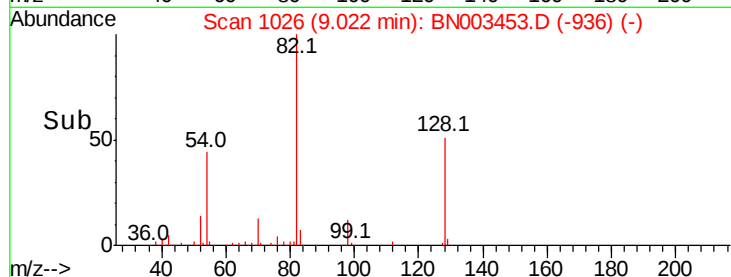
54 44.2 39.4 59.2



Abundance Ion 82.00 (81.70 to 82.70): BN003453.D (-936) (-)

Ion 128.00 (127.70 to 128.70): BN003453.D (-936) (-)

Ion 54.00 (53.70 to 54.70): BN003453.D (-936) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN003453.D

Acq: 07 Nov 2018 16:00

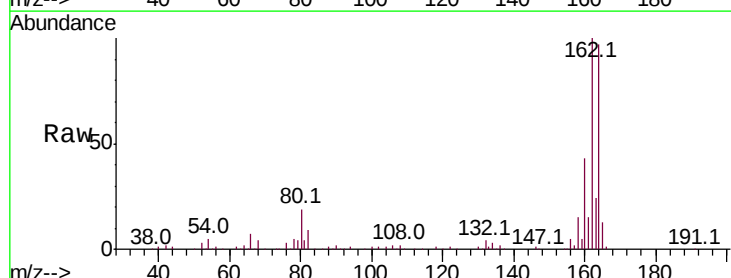
Tgt Ion: 164 Resp: 306359

Ion Ratio Lower Upper

164 100

162 102.6 80.8 121.2

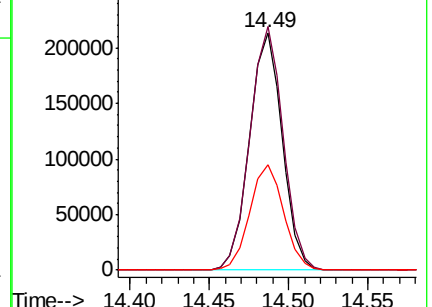
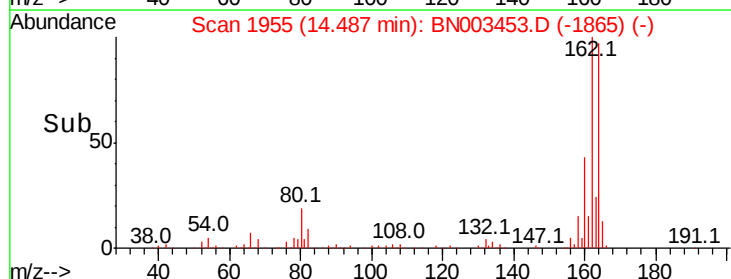
160 44.6 35.5 53.3

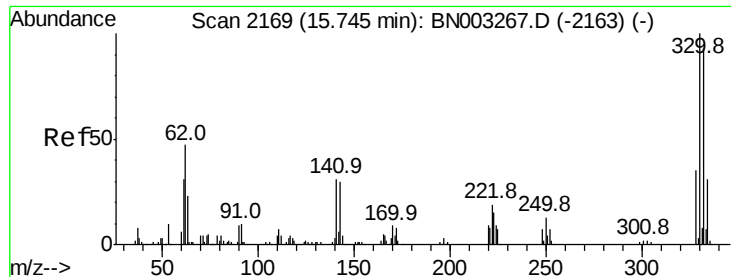


Abundance Ion 164.00 (163.70 to 164.70): BN003453.D (-1865) (-)

Ion 162.00 (161.70 to 162.70): BN003453.D (-1865) (-)

Ion 160.00 (159.70 to 160.70): BN003453.D (-1865) (-)

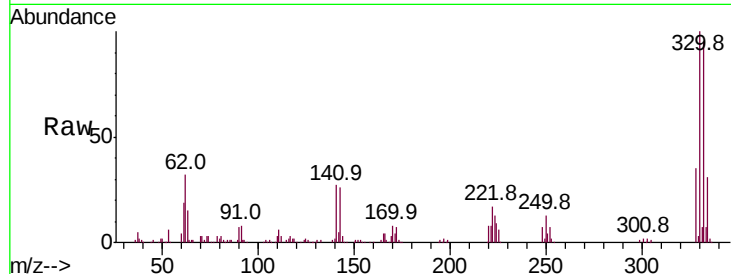




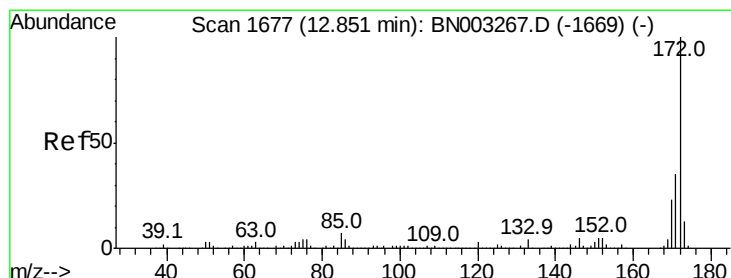
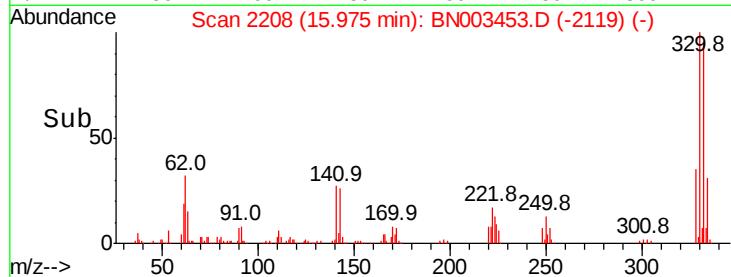
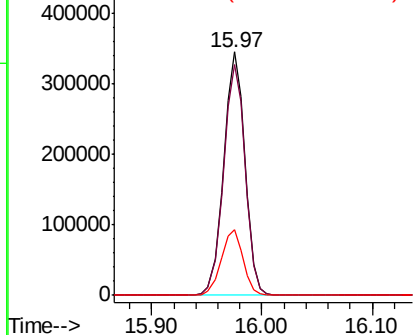
#42
 2,4,6-Tribromophenol
 Concen: 113.229 ng
 RT: 15.97 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BN003453.D
 Acq: 07 Nov 2018 16:00

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	27.4	24.5	36.7

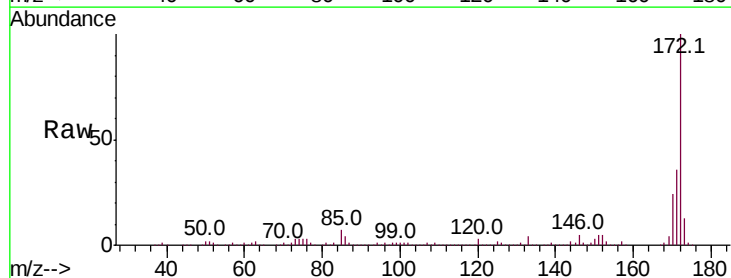


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

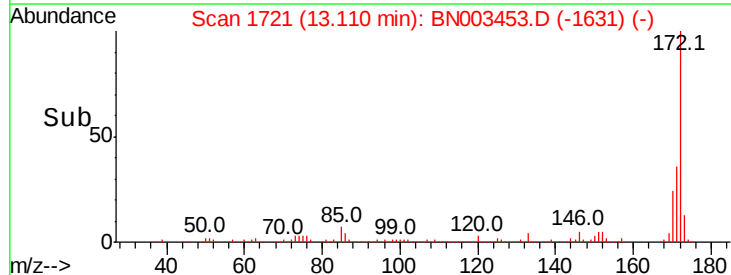
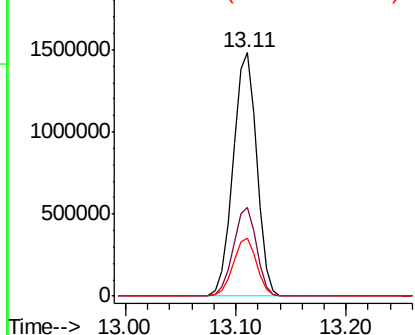


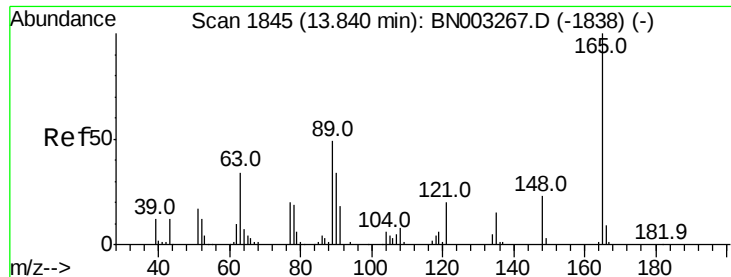
#45
 2-Fluorobiphenyl
 Concen: 98.429 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BN003453.D
 Acq: 07 Nov 2018 16:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	23.7	18.4	27.6



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

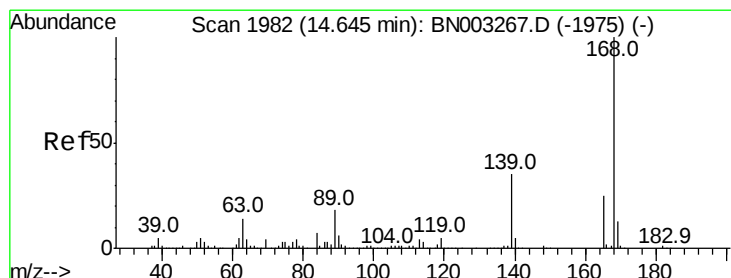
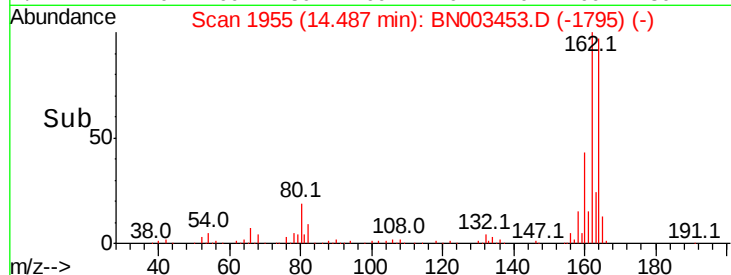
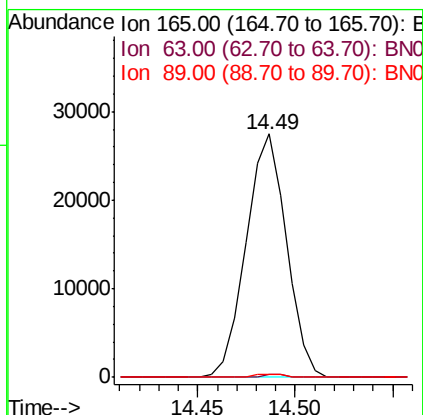
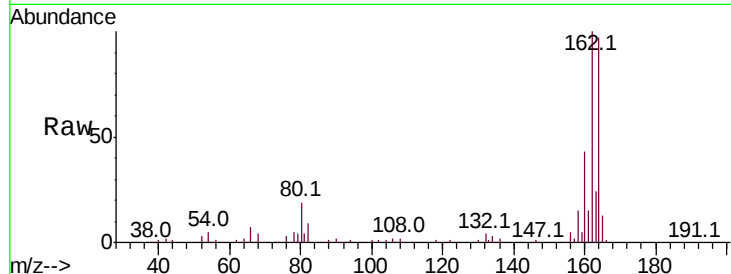




#51
 2,6-Dinitrotoluene
 Concen: 6.982 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003453.D
 Acq: 07 Nov 2018 16:00

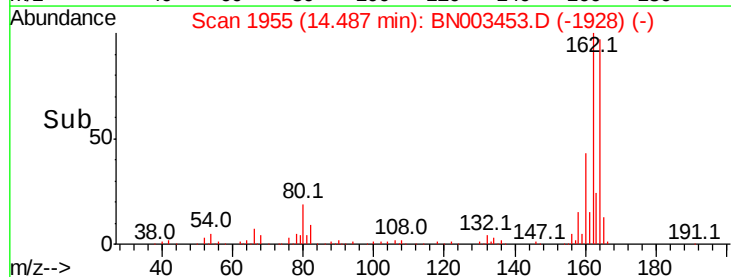
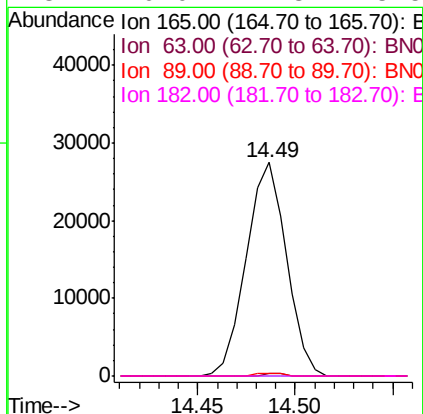
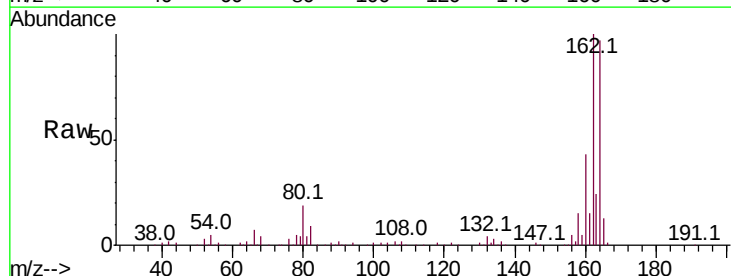
Instrument :
 BNA_N
 ClientSampleId :

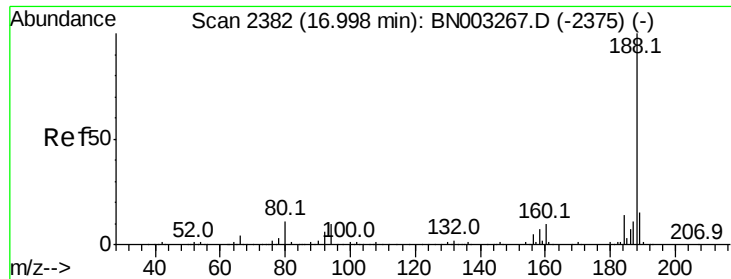
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.2	58.8#
89	1.2	38.9	58.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.149 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BN003453.D
 Acq: 07 Nov 2018 16:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	45.8	68.6#
89	1.2	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: BN003453.D

Acq: 07 Nov 2018 16:00

Instrument :

BNA_N

ClientSampleId :

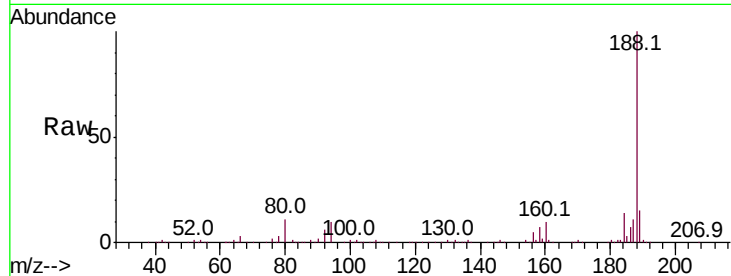
Tot Ion:188 Resp: 686802

Ion Ratio Lower Upper

188 100

94 9.7 8.1 12.1

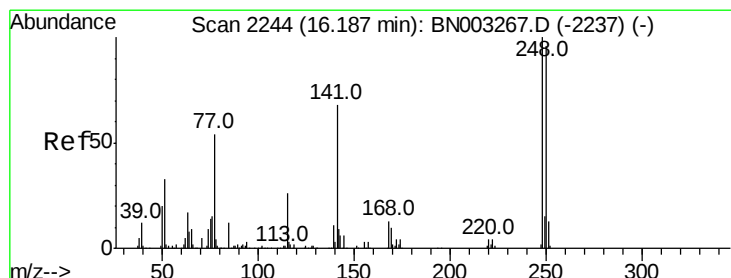
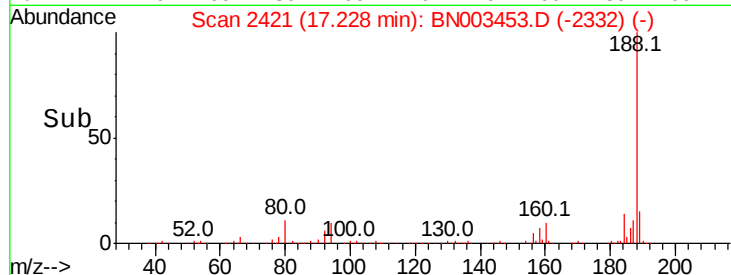
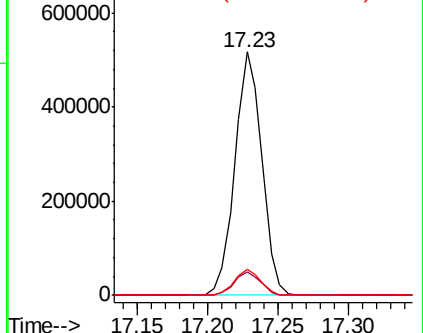
80 10.6 8.6 13.0



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: 3.950 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003453.D

Acq: 07 Nov 2018 16:00

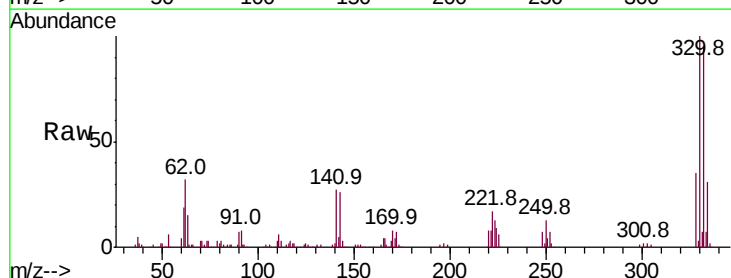
Tgt Ion:248 Resp: 30552

Ion Ratio Lower Upper

248 100

250 197.5 76.4 114.6#

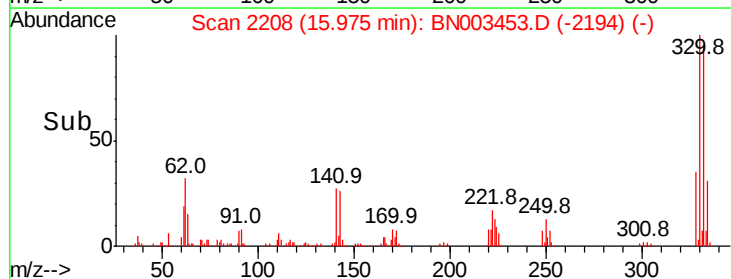
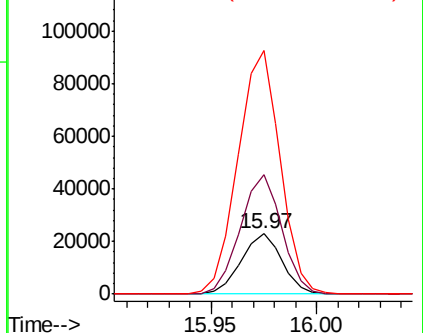
141 402.4 54.2 81.4#

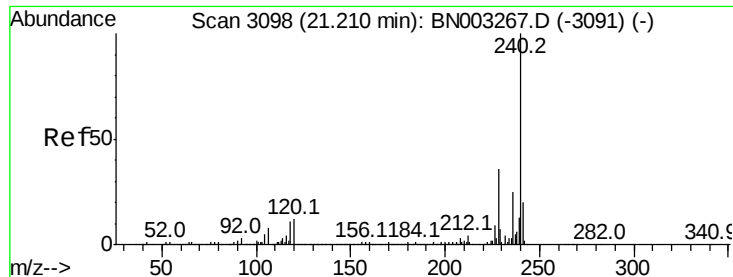


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

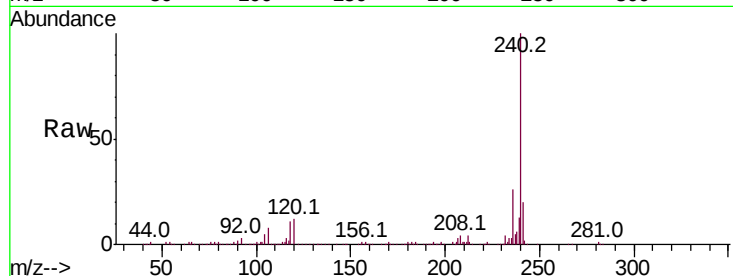




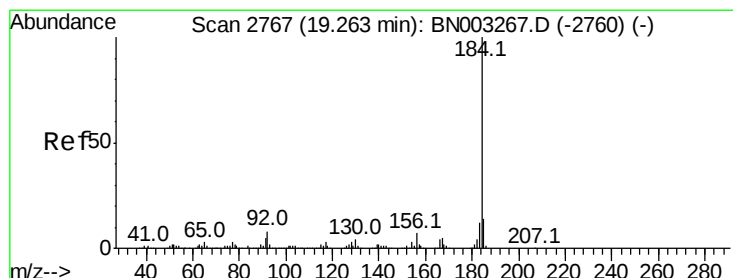
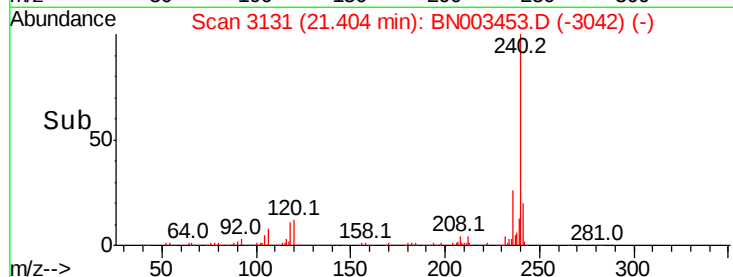
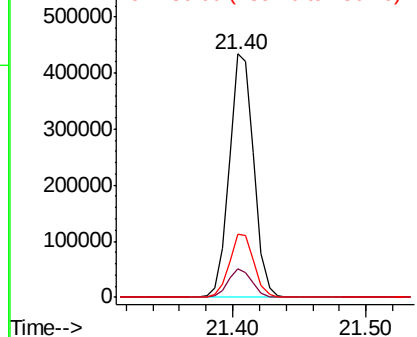
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BN003453.D
Acq: 07 Nov 2018 16:00

Instrument :
BNA_N
ClientSampled :

Tot Ion:240 Resp: 556764
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.0
236 25.7 20.3 30.5

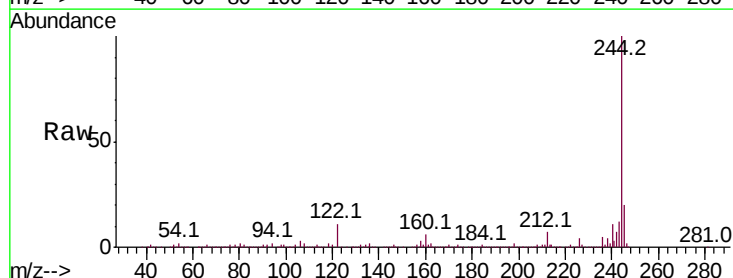


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

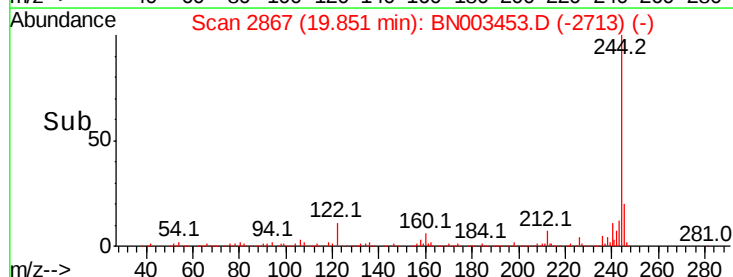
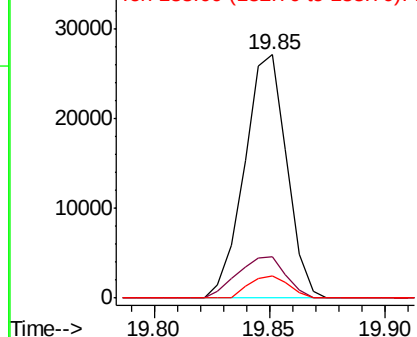


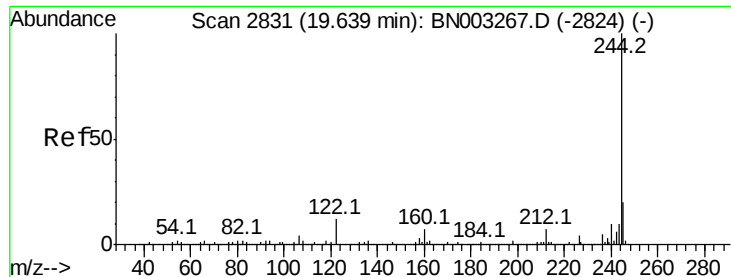
#77
Benzidine
Concen: 2.119 ng
RT: 19.85 min Scan# 2867
Delta R.T. 0.38 min
Lab File: BN003453.D
Acq: 07 Nov 2018 16:00

Tgt Ion:184 Resp: 34545
Ion Ratio Lower Upper
184 100
185 16.8 11.5 17.3
183 9.1 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: 108.174 ng

RT: 19.85 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BN003453.D

Acq: 07 Nov 2018 16:00

Instrument :

BNA_N

ClientSampleId :

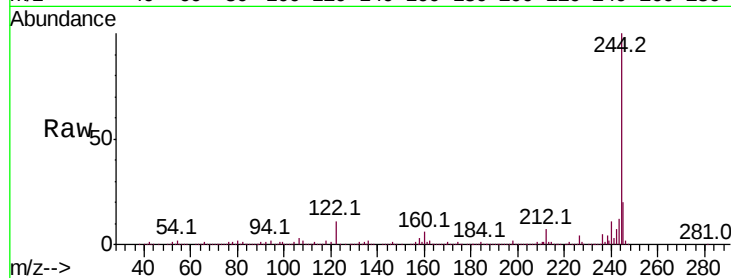
Tot Ion:244 Resp: 2816265

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

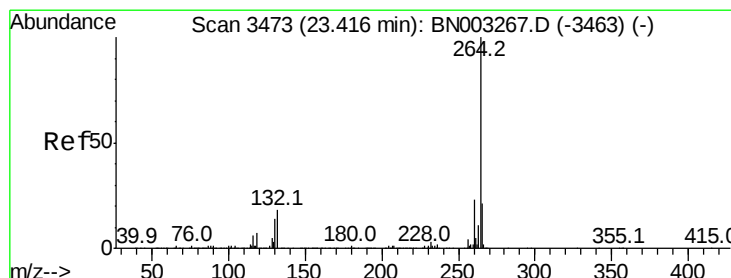
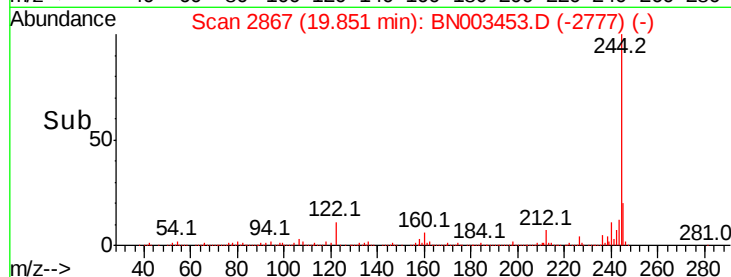
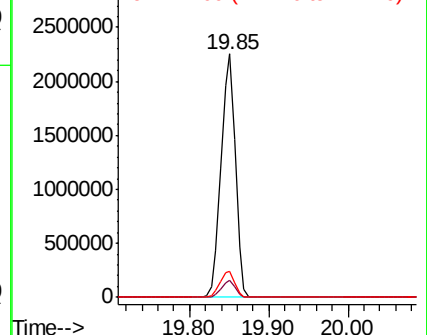
122 10.6 9.4 14.2



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: BN003453.D

Acq: 07 Nov 2018 16:00

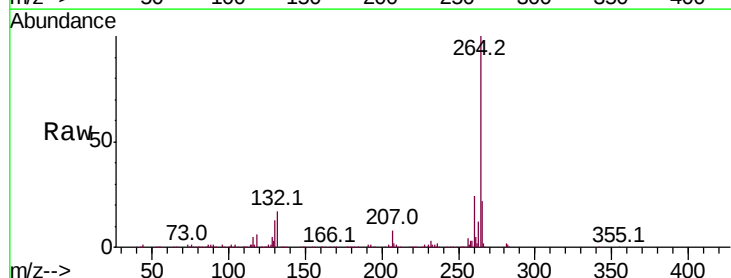
Tgt Ion:264 Resp: 535108

Ion Ratio Lower Upper

264 100

260 23.7 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

