

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003457.D
 Acq On : 07 Nov 2018 18:20
 Operator : MJ/SJ
 Sample : J5829-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:32:53 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	115305	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	519657	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	320638	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	717396	20.00	ng	0.00
76) Chrysene-d12	21.40	240	573935	20.00	ng	0.00
87) Perylene-d12	23.72	264	548032	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	253184	38.24	ng	0.00
7) Phenol-d6	7.00	99	203295	21.60	ng	-0.01
23) Nitrobenzene-d5	9.02	82	782905	86.40	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	430378	99.68	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	2167978	91.71	ng	0.00
79) Terphenyl-d14	19.85	244	2760544	102.86	ng	0.00

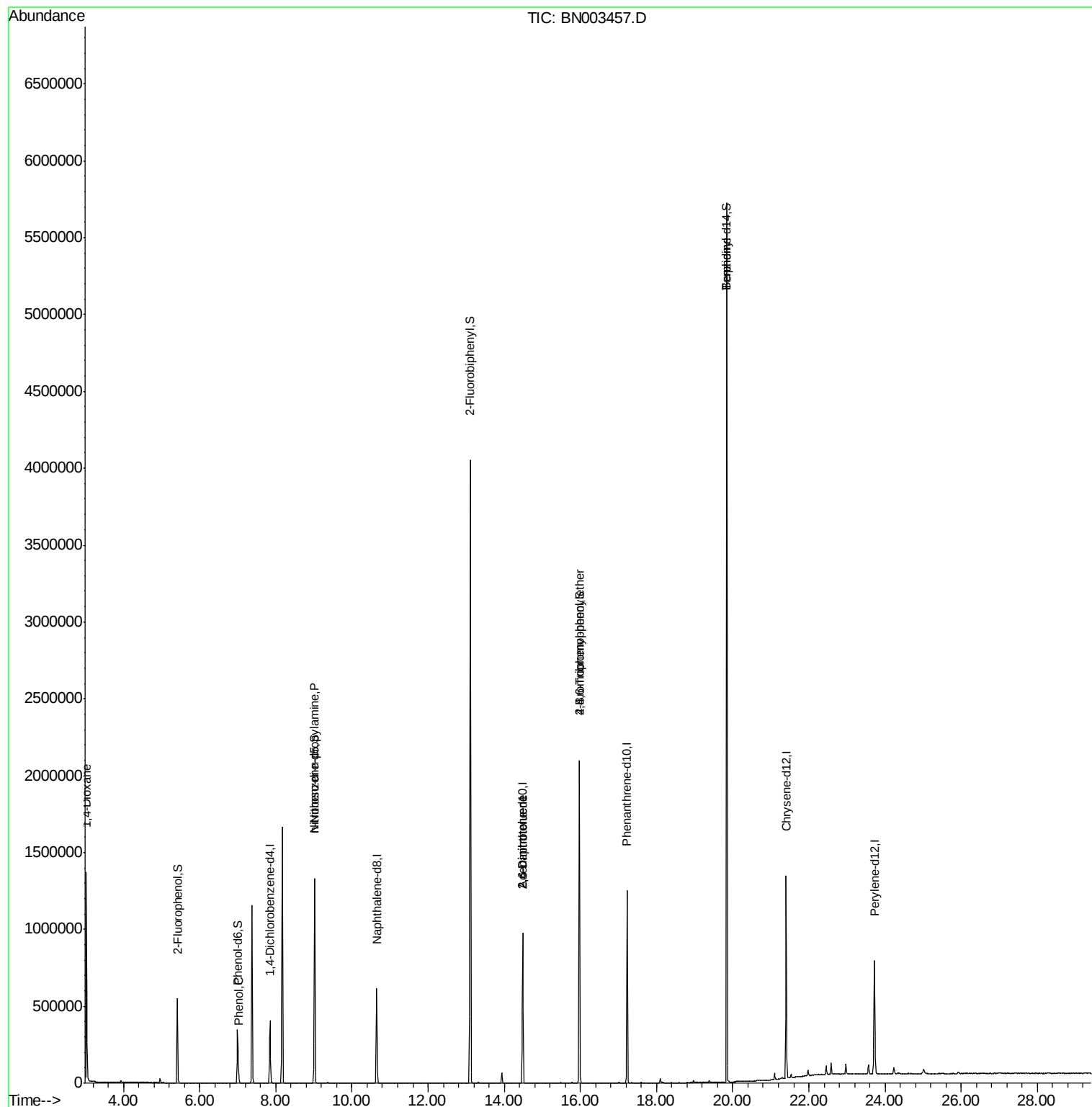
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	10544	3.355	ng	# 1
10) Phenol	7.03	94	30469	3.067	ng	95
19) n-Nitroso-di-n-propylamine	9.02	70	99482	14.655	ng	# 76
51) 2,6-Dinitrotoluene	14.49	165	41183	6.999	ng	# 30
57) 2,4-Dinitrotoluene	14.49	165	41183	5.162	ng	# 20
67) 4-Bromophenyl-phenylether	15.97	248	27519	3.406	ng	# 1
77) Benzidine	19.85	184	33717	2.007	ng	# 92

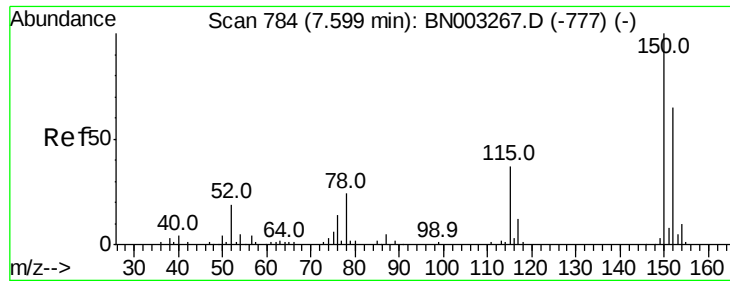
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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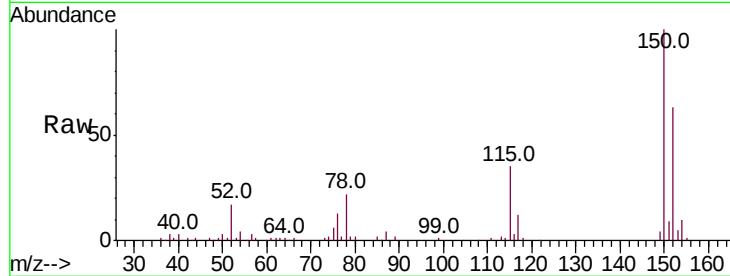


#1

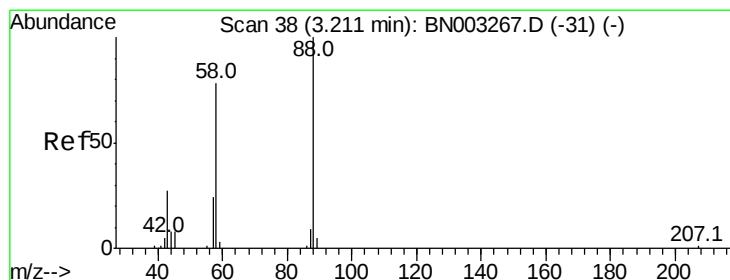
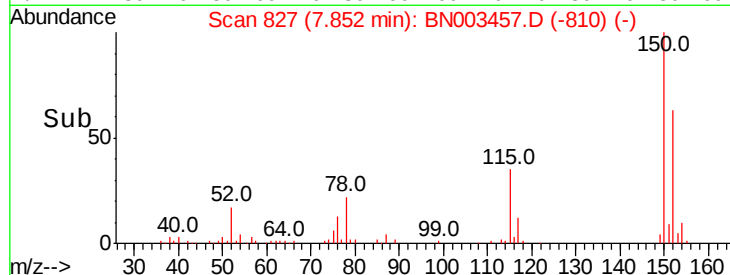
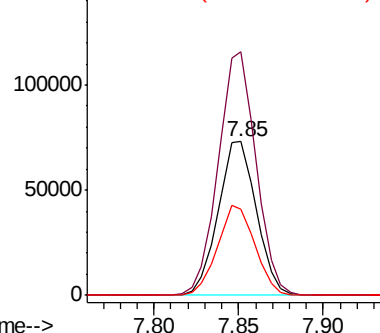
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 827
Delta R.T. 0.00 min
Lab File: BN003457.D
Acq: 07 Nov 2018 18:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 115305
Ion Ratio Lower Upper
152 100
150 158.5 123.8 185.8
115 56.0 45.9 68.9



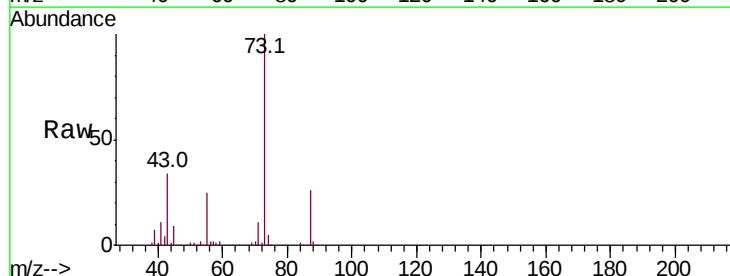
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



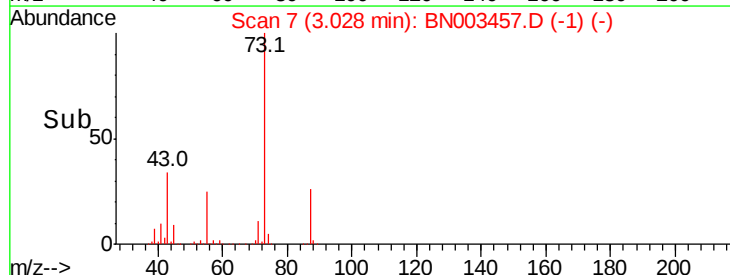
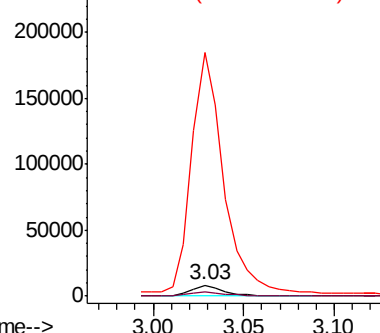
#2

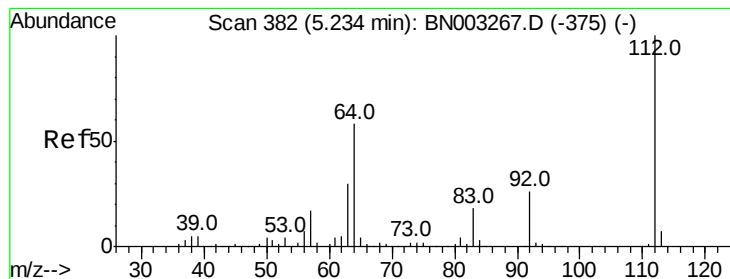
1,4-Dioxane
Concen: 3.355 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003457.D
Acq: 07 Nov 2018 18:20

Tgt Ion: 88 Resp: 10544
Ion Ratio Lower Upper
88 100
58 25.3 61.1 91.7#
43 2154.4 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: 38.245 ng

RT: 5.42 min Scan# 413

Delta R.T. 0.01 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

Instrument :

BNA_N

ClientSampled :

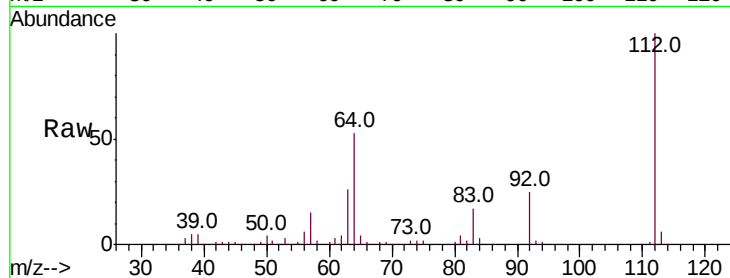
Tot Ion:112 Resp: 253184

Ion Ratio Lower Upper

112 100

64 52.9 46.6 69.8

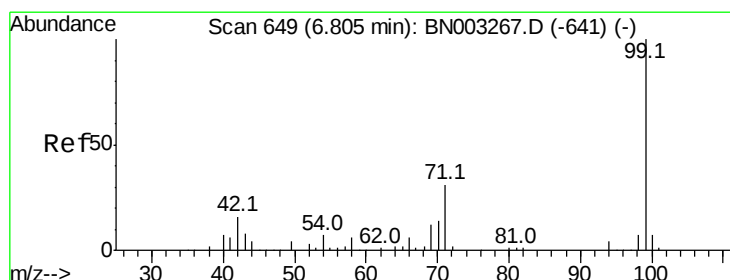
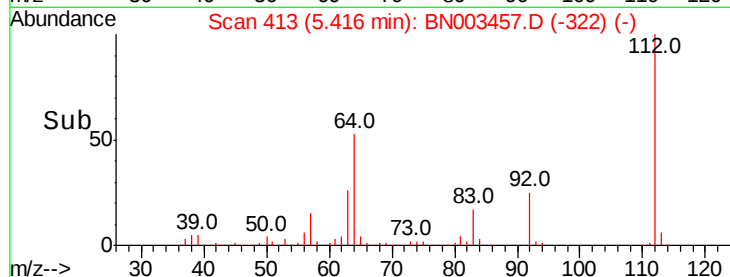
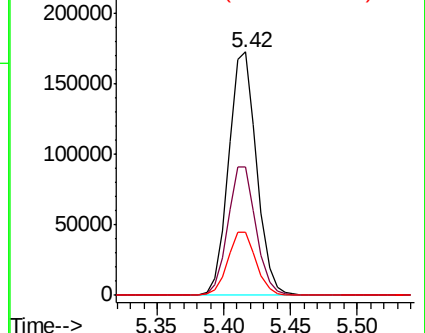
63 26.0 23.8 35.8



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: 21.596 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

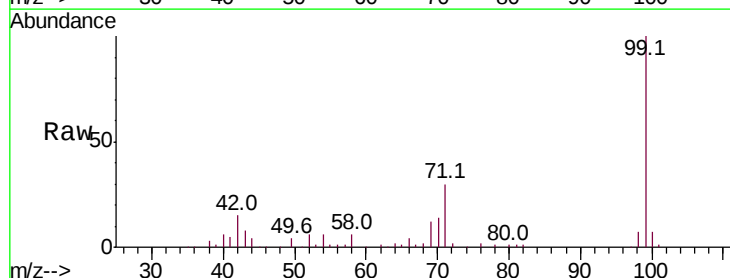
Tgt Ion: 99 Resp: 203295

Ion Ratio Lower Upper

99 100

42 15.3 13.0 19.6

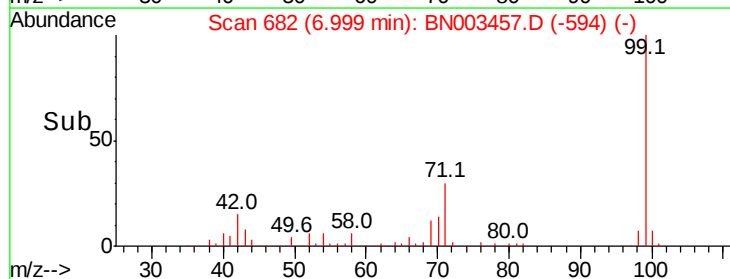
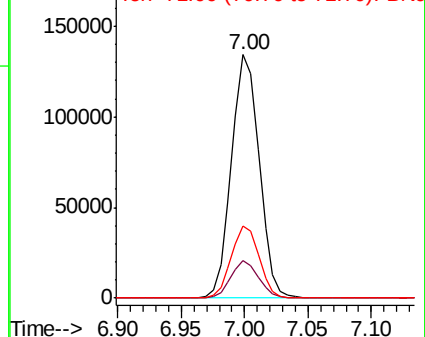
71 29.7 24.5 36.7

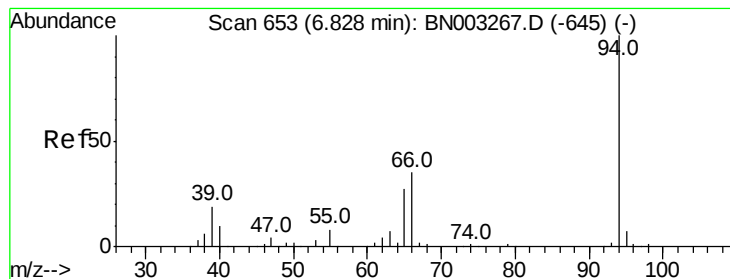


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#10

Phenol

Concen: 3.067 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

Instrument :

BNA_N

ClientSampled :

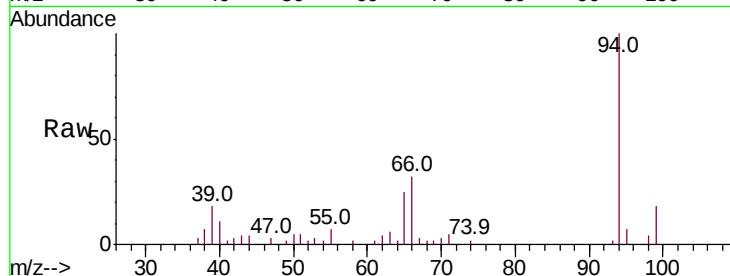
Tot Ion: 94 Resp: 30469

Ion Ratio Lower Upper

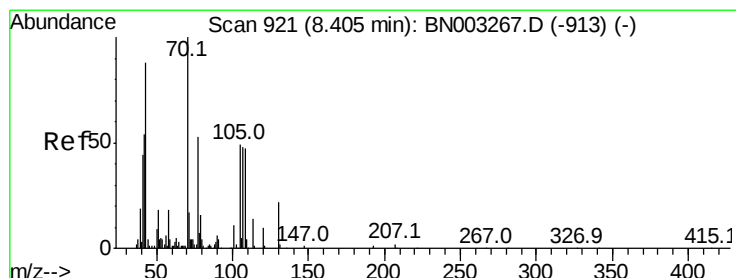
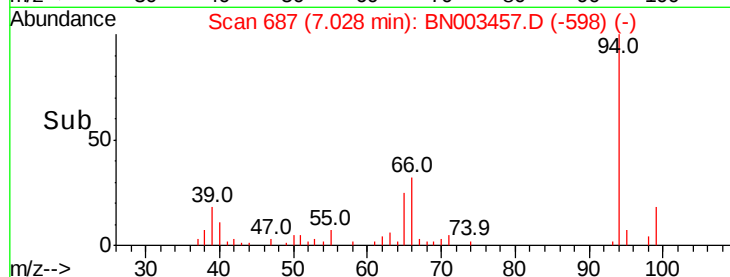
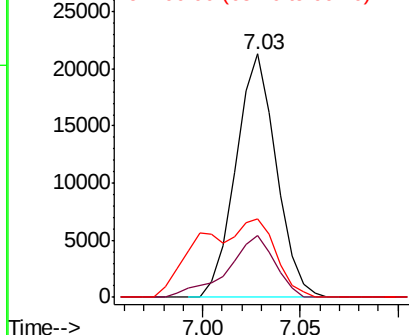
94 100

65 25.5 7.7 47.7

66 32.2 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: 14.655 ng

RT: 9.02 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

Tgt Ion: 70 Resp: 99482

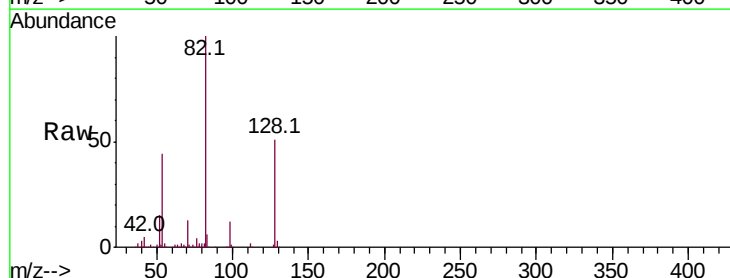
Ion Ratio Lower Upper

70 100

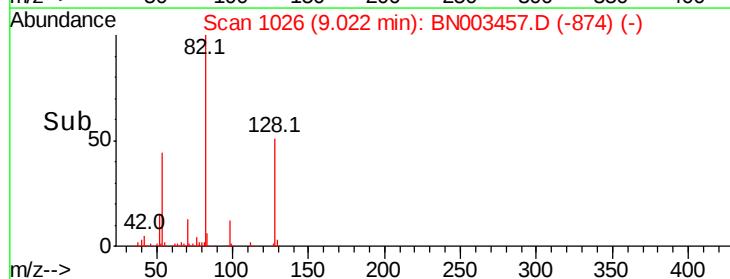
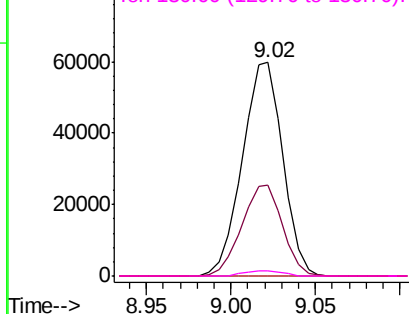
42 42.7 43.5 65.3#

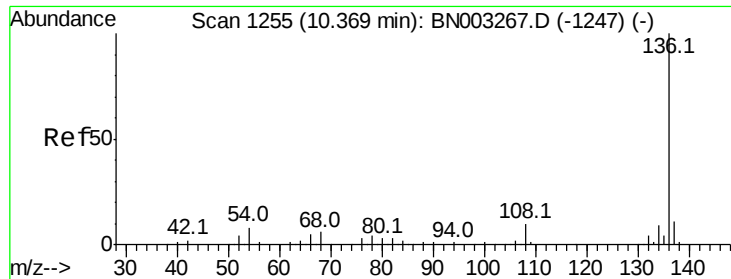
101 0.0 8.6 12.8#

130 2.5 18.0 27.0#



Abundance Ion 70.00 (69.70 to 70.70): 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

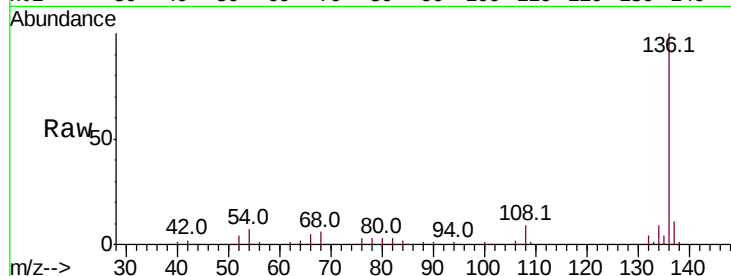




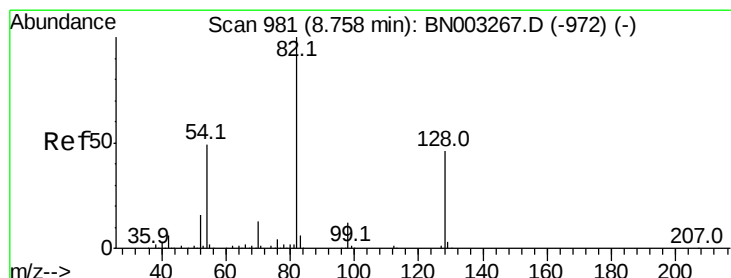
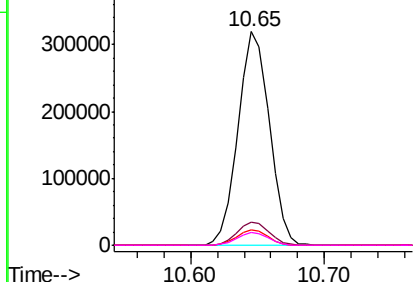
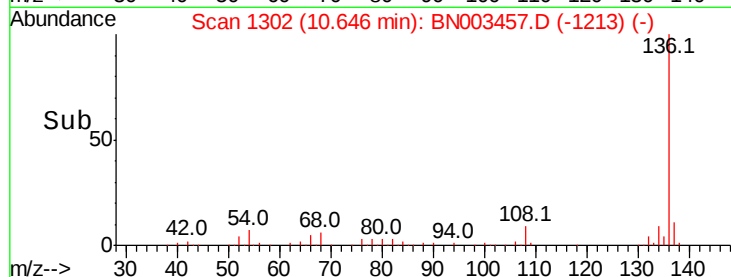
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN003457.D
Acq: 07 Nov 2018 18:20

Instrument :
BNA_N
ClientSampled :

Tot Ion:	136	Resp:	519657
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.4	6.6	10.0
68	6.2	4.6	7.0

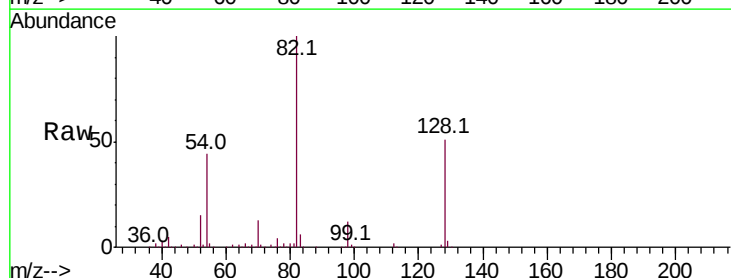


Abundance Ion 136.00 (135.70 to 136.70): E
500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

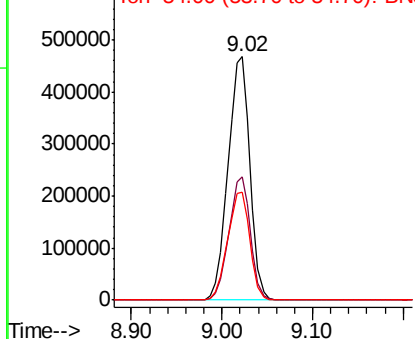
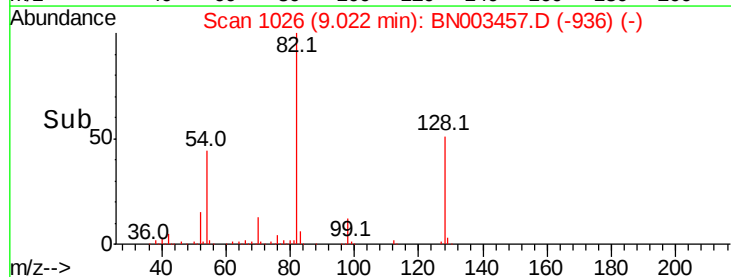


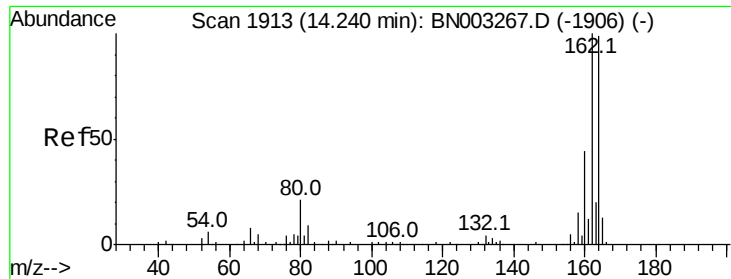
#23
Nitrobenzene-d5
Concen: 86.401 ng
RT: 9.02 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BN003457.D
Acq: 07 Nov 2018 18:20

Tgt Ion:	82	Resp:	782905
Ion	Ratio	Lower	Upper
82	100		
128	50.7	37.1	55.7
54	44.5	39.4	59.2



Abundance Ion 82.00 (81.70 to 82.70): BNC
600000
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: BN003457.D

Acq: 07 Nov 2018 18:20

Instrument :

BNA_N

ClientSampleId :

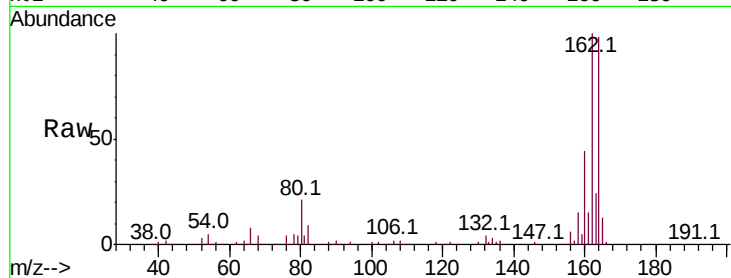
Tot Ion:164 Resp: 320638

Ion Ratio Lower Upper

164 100

162 102.3 80.8 121.2

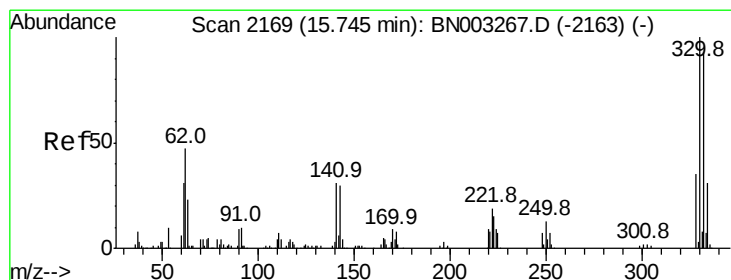
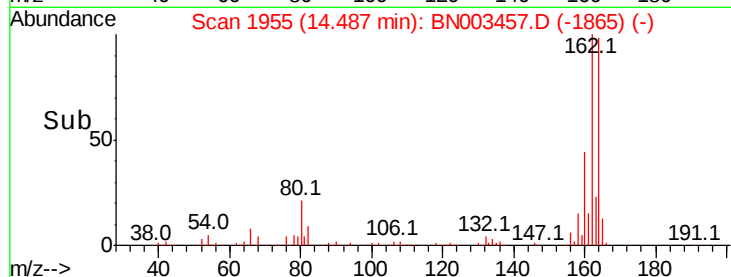
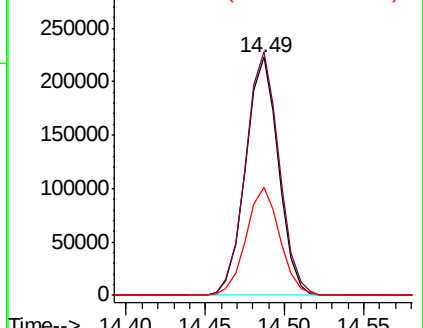
160 45.4 35.5 53.3



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: 99.682 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

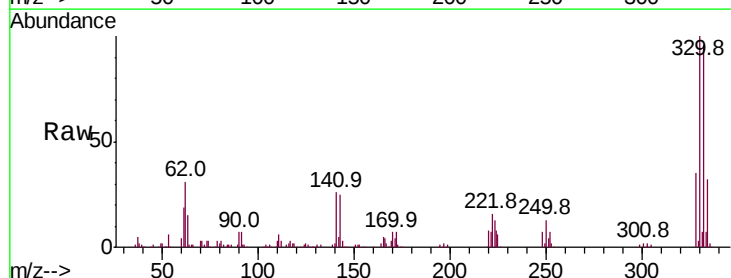
Tgt Ion:330 Resp: 430378

Ion Ratio Lower Upper

330 100

332 96.1 76.6 114.8

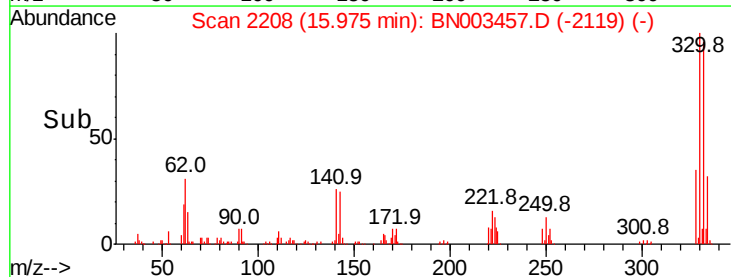
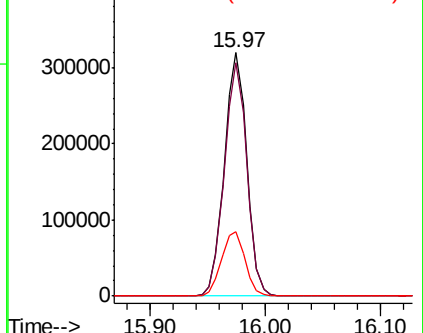
141 27.6 24.5 36.7

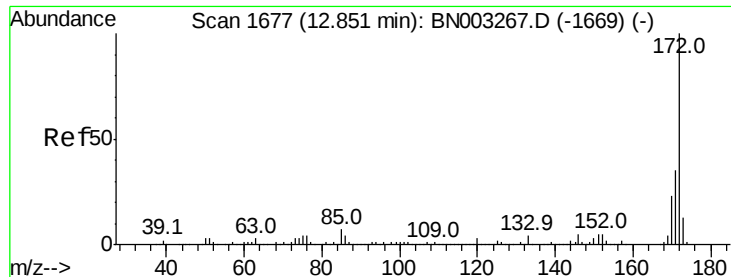


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



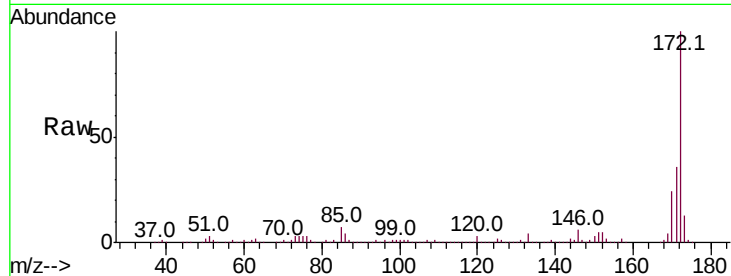


#45
 2-Fluorobiphenyl
 Concen: 91.714 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BN003457.D
 Acq: 07 Nov 2018 18:20

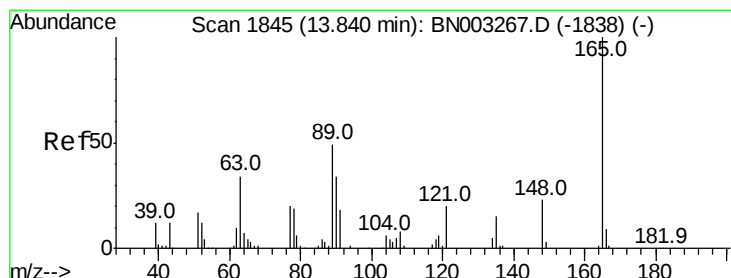
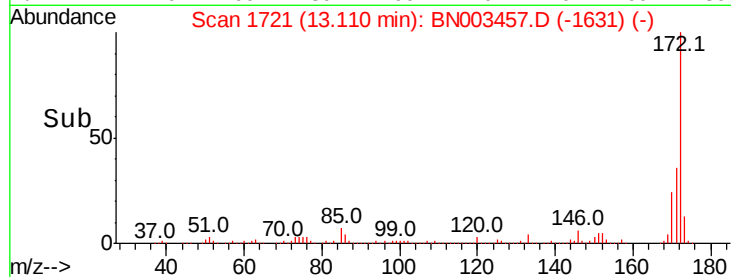
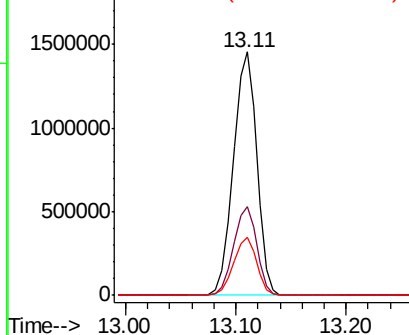
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 2167978

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



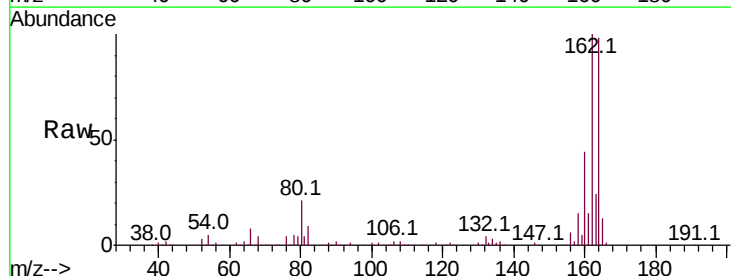
Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



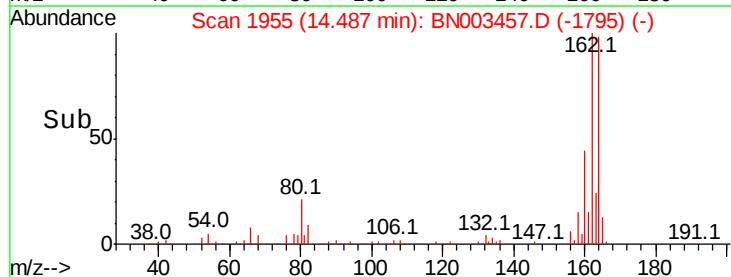
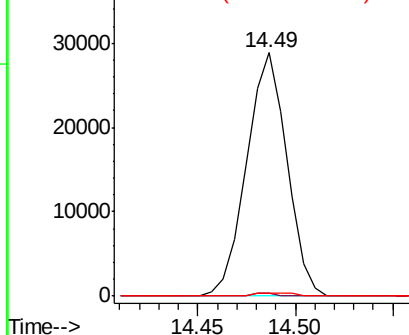
#51
 2,6-Dinitrotoluene
 Concen: 6.999 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003457.D
 Acq: 07 Nov 2018 18:20

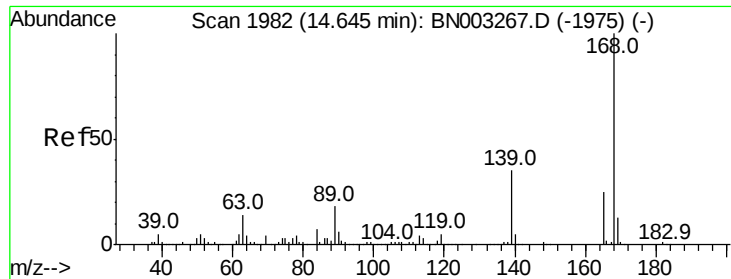
Tgt Ion:165 Resp: 41183

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



Abundance Ion 165.00 (164.70 to 165.70): E
 40000 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

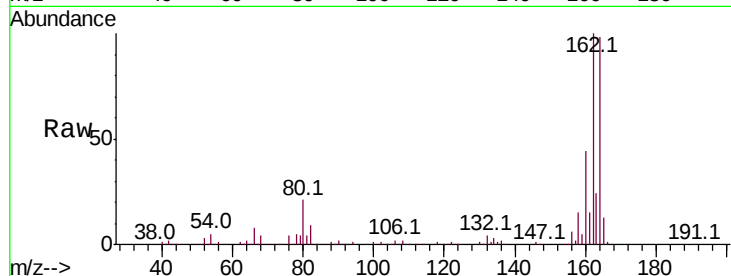




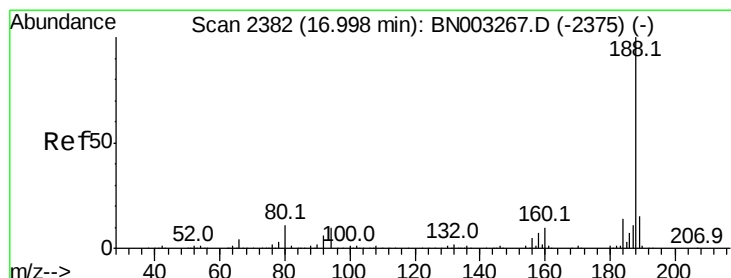
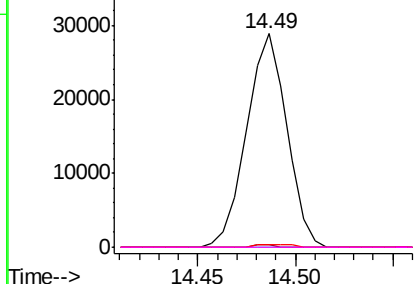
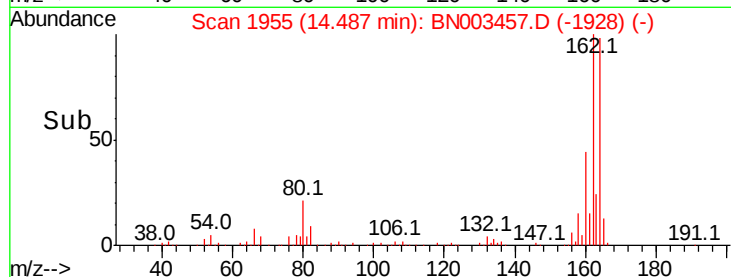
#57
2,4-Dinitrotoluene
Concen: 5.162 ng
RT: 14.49 min Scan# 1955
Delta R.T. -0.37 min
Lab File: BN003457.D
Acq: 07 Nov 2018 18:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion:165 Resp: 41183
Ion Ratio Lower Upper
165 100
63 1.1 45.8 68.6#
89 1.1 58.7 88.1#
182 0.0 2.3 3.5#

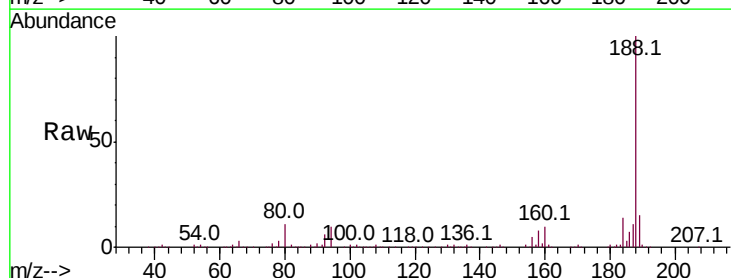


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

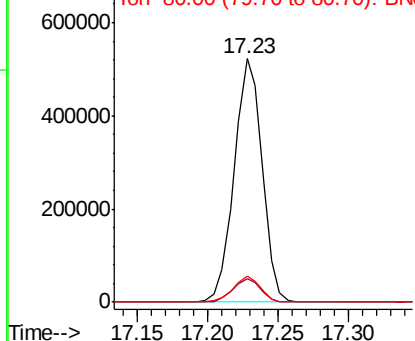
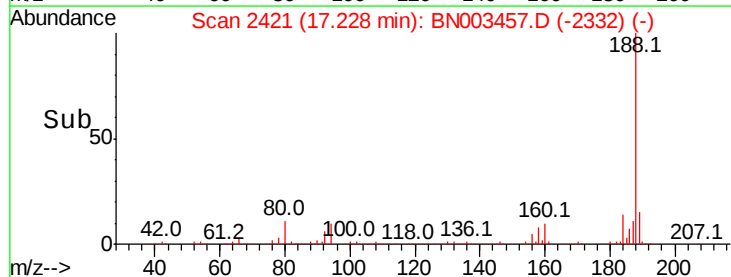


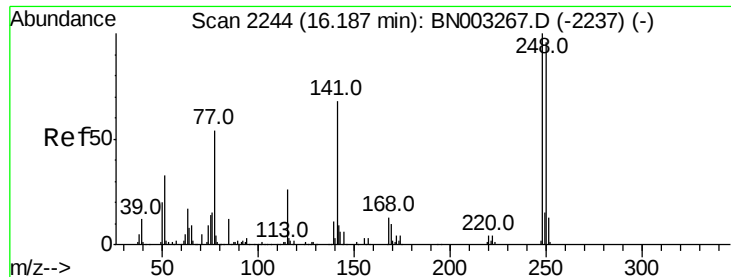
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.23 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BN003457.D
Acq: 07 Nov 2018 18:20

Tgt Ion:188 Resp: 717396
Ion Ratio Lower Upper
188 100
94 9.8 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: 3.406 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

Instrument :

BNA_N

ClientSampled :

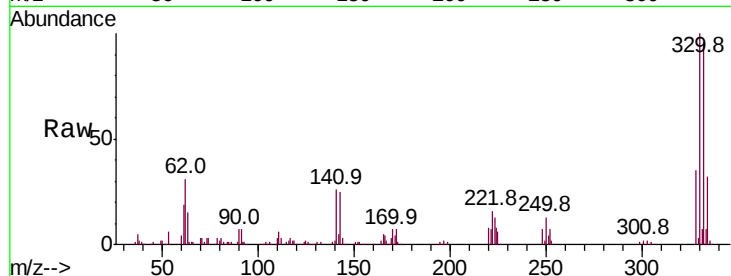
Tot Ion:248 Resp: 27519

Ion Ratio Lower Upper

248 100

250 198.7 76.4 114.6#

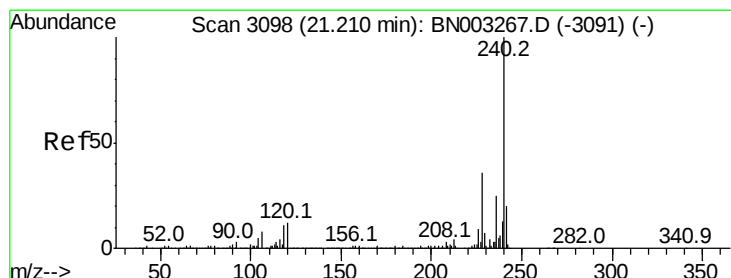
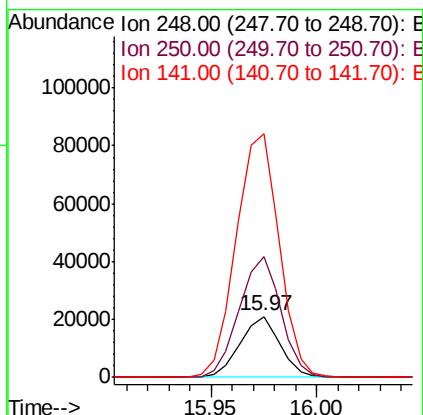
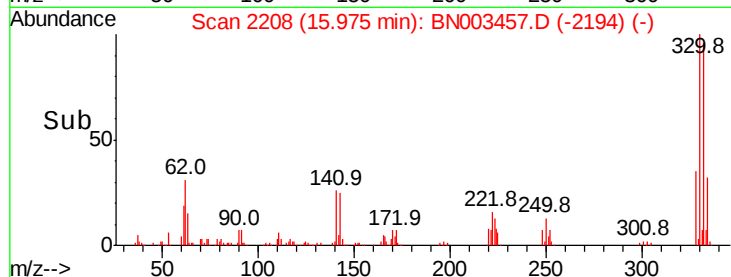
141 399.8 54.2 81.4#



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: BN003457.D

Acq: 07 Nov 2018 18:20

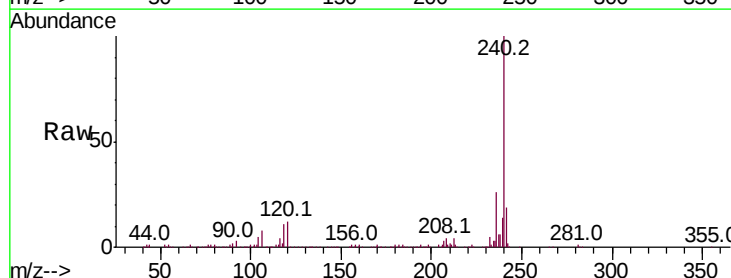
Tgt Ion:240 Resp: 573935

Ion Ratio Lower Upper

240 100

120 11.7 9.4 14.0

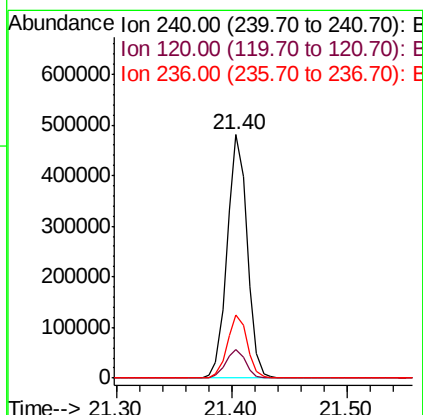
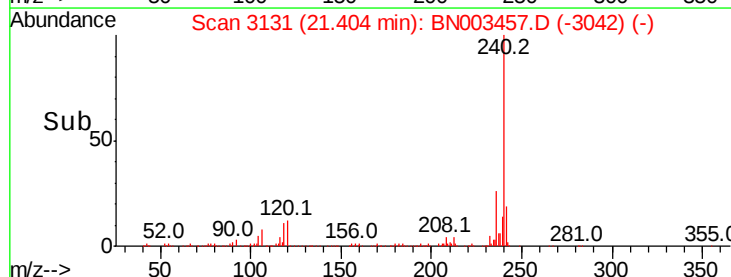
236 26.0 20.3 30.5

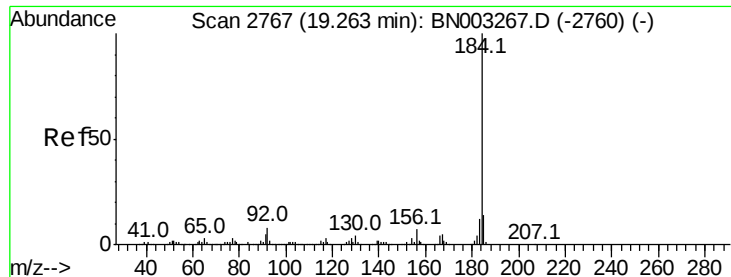


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.007 ng

RT: 19.85 min Scan# 2866

Delta R.T. 0.37 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

Instrument :

BNA_N

ClientSampleId :

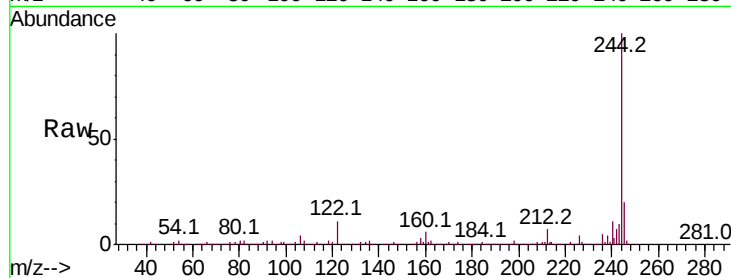
Tot Ion:184 Resp: 33717

Ion Ratio Lower Upper

184 100

185 16.8 11.5 17.3

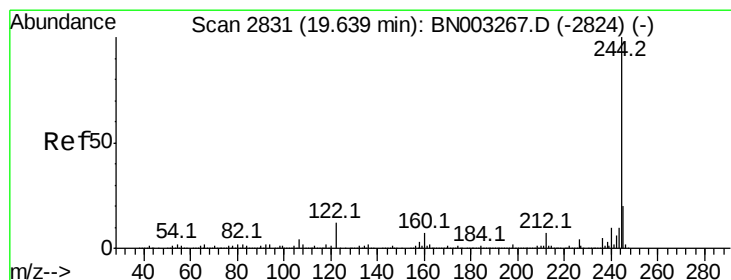
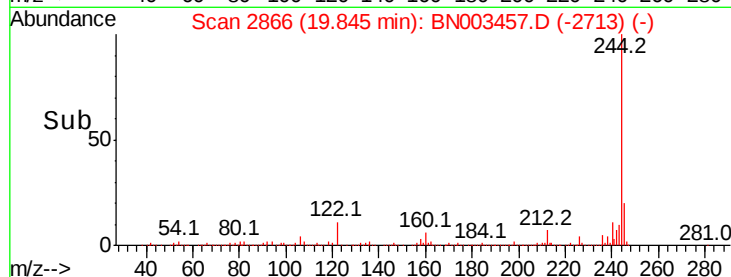
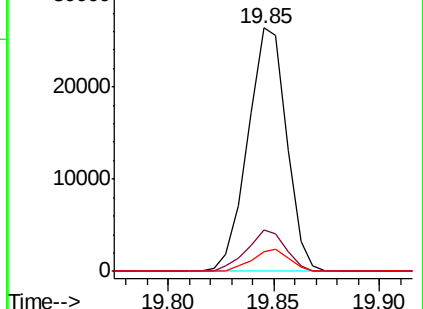
183 8.0 9.4 14.0#



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: 102.861 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003457.D

Acq: 07 Nov 2018 18:20

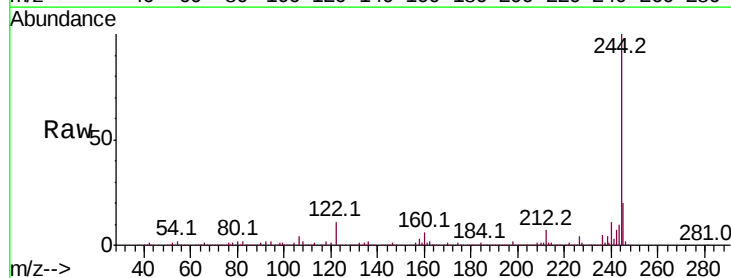
Tgt Ion:244 Resp: 2760544

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

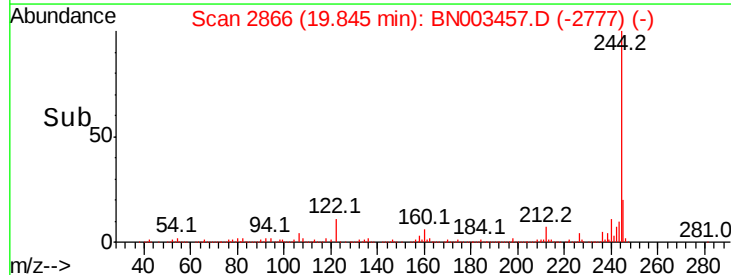
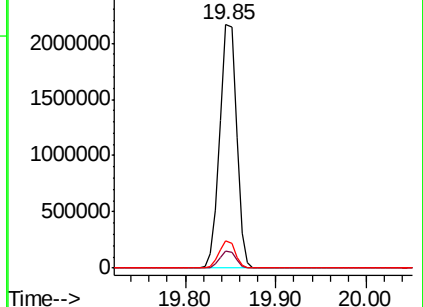
122 11.3 9.4 14.2

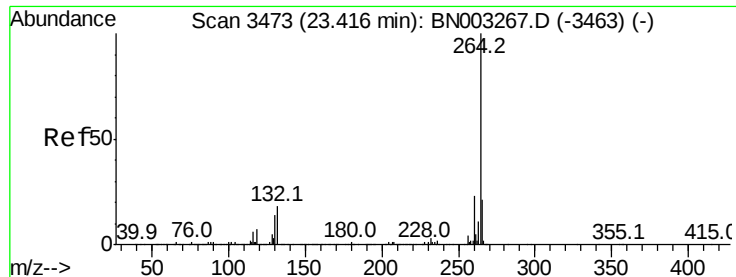


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

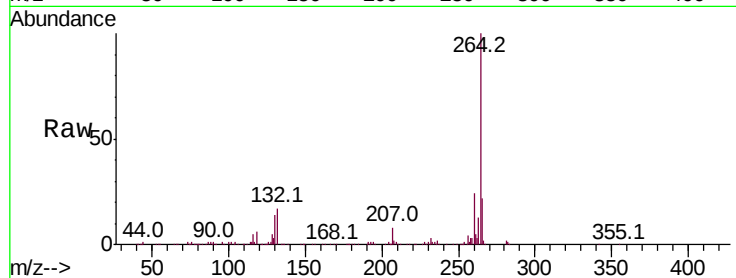




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.72 min Scan# 3525
Delta R.T. -0.01 min
Lab File: BN003457.D
Acq: 07 Nov 2018 18:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.5	27.7
265	21.9	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

