

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003464.D
 Acq On : 07 Nov 2018 22:25
 Operator : MJ/SJ
 Sample : J5829-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:33:55 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	108070	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	479916	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	294716	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	664010	20.00	ng	0.00
76) Chrysene-d12	21.40	240	536320	20.00	ng	0.00
87) Perylene-d12	23.72	264	511339	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	278171	44.83	ng	0.00
7) Phenol-d6	7.00	99	223228	25.30	ng	-0.01
23) Nitrobenzene-d5	9.02	82	777125	92.87	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	444472	112.00	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	2150120	98.96	ng	0.00
79) Terphenyl-d14	19.85	244	2765510	110.27	ng	0.00

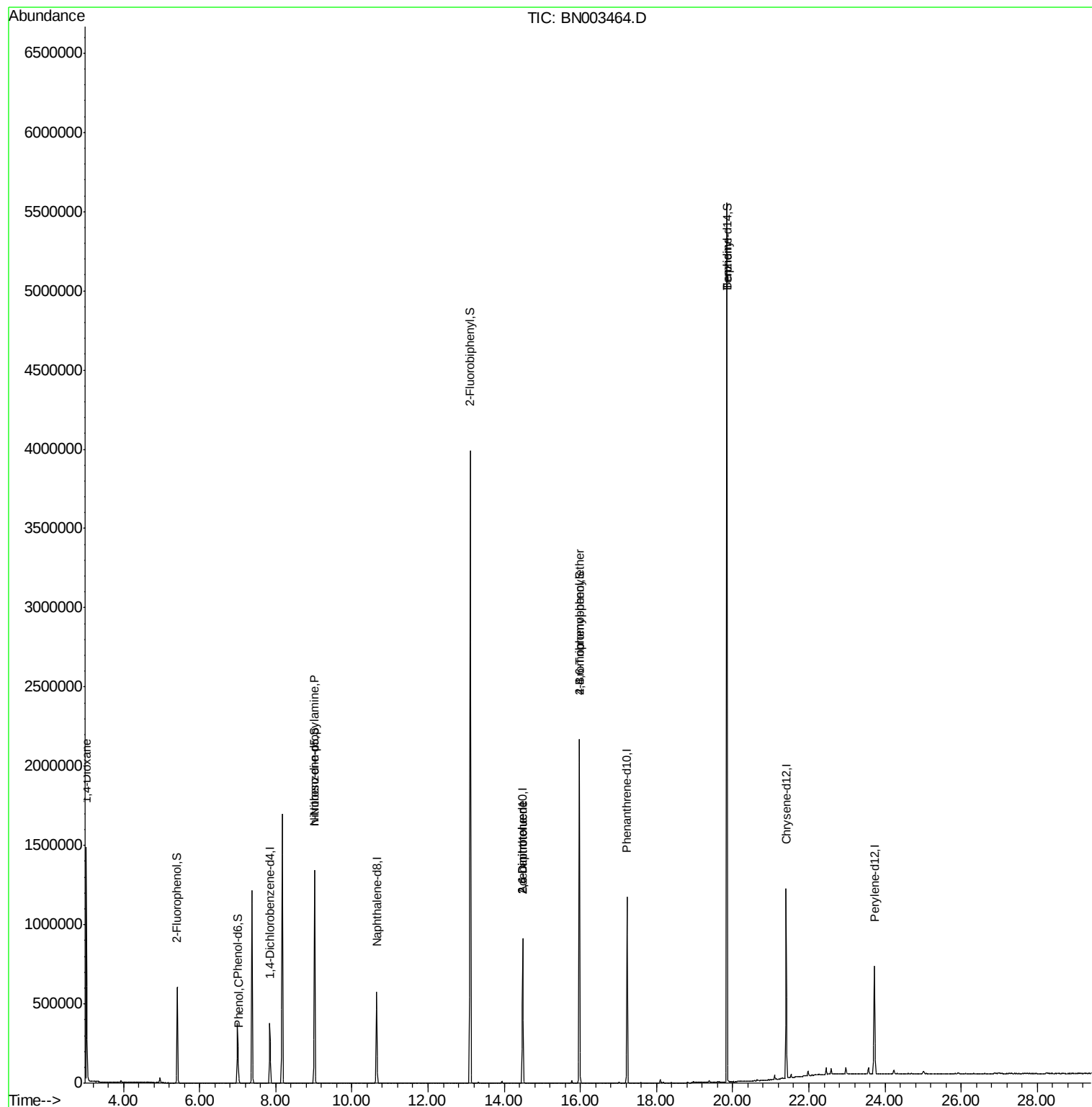
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	11345	3.851	ng	# 1
10) Phenol	7.03	94	21119	2.268	ng	95
19) n-Nitroso-di-n-propylamine	9.02	70	99134	15.582	ng	# 74
51) 2,6-Dinitrotoluene	14.49	165	37740	6.978	ng	# 30
57) 2,4-Dinitrotoluene	14.49	165	37740	5.146	ng	# 20
67) 4-Bromophenyl-phenylether	15.97	248	28822	3.854	ng	# 1
77) Benzidine	19.85	184	33550	2.137	ng	# 94

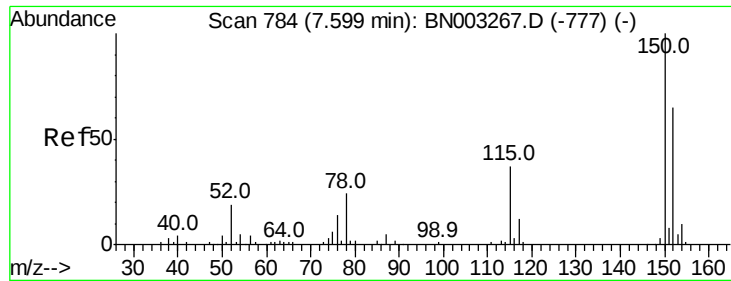
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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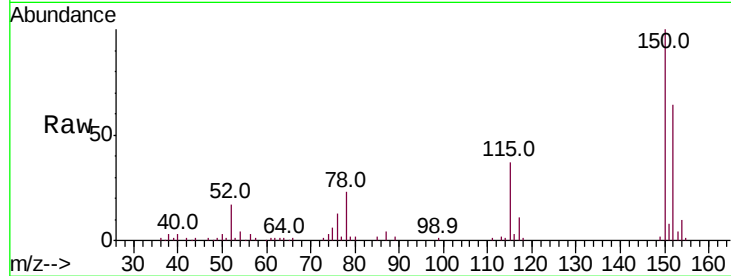


#1

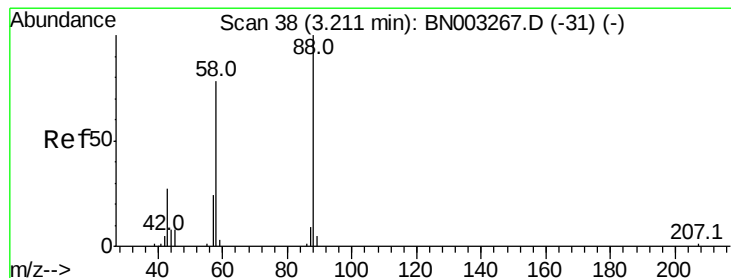
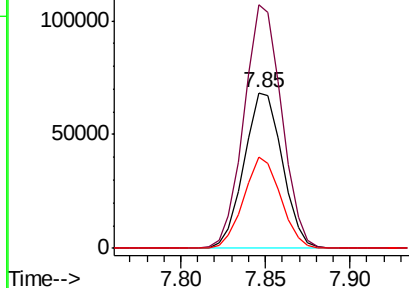
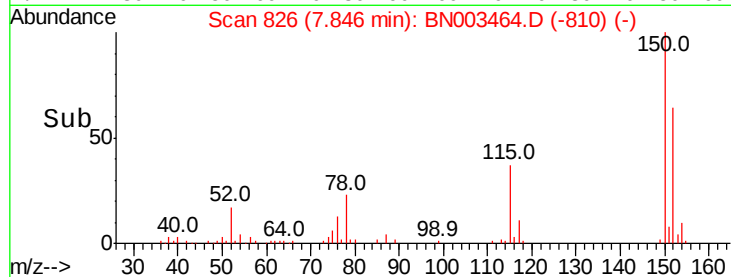
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN003464.D
Acq: 07 Nov 2018 22:25

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 108070
Ion Ratio Lower Upper
152 100
150 156.2 123.8 185.8
115 58.4 45.9 68.9



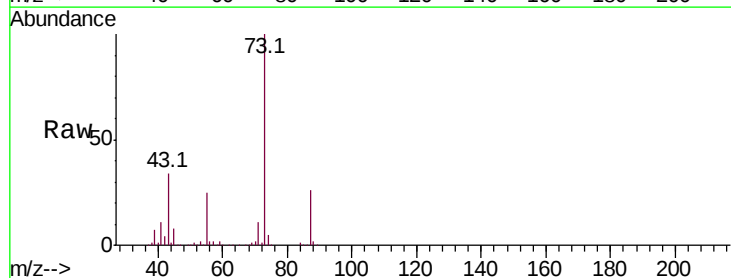
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



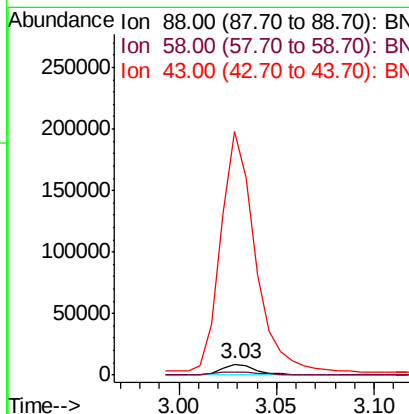
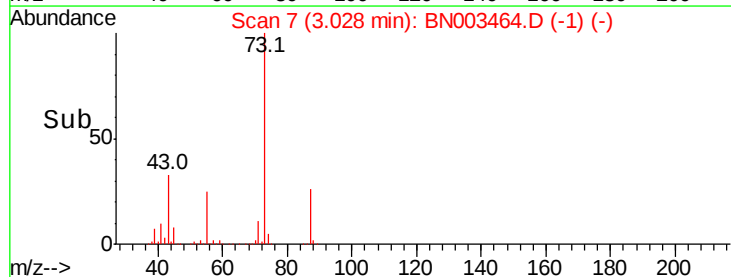
#2

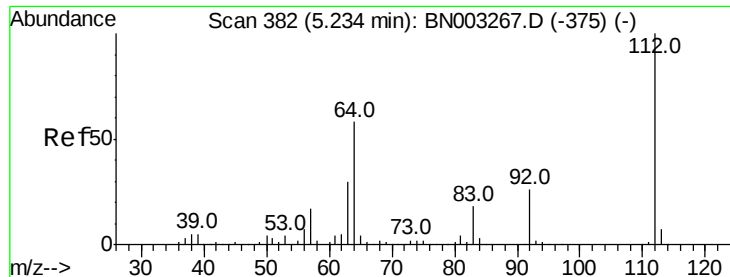
1,4-Dioxane
Concen: 3.851 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003464.D
Acq: 07 Nov 2018 22:25

Tgt Ion: 88 Resp: 11345
Ion Ratio Lower Upper
88 100
58 26.3 61.1 91.7#
43 2150.0 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: 44.832 ng

RT: 5.42 min Scan# 413

Delta R.T. 0.01 min

Lab File: BN003464.D

Acq: 07 Nov 2018 22:25

Instrument :

BNA_N

ClientSampleId :

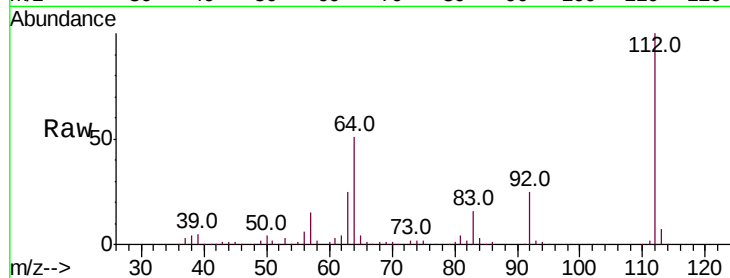
Tot Ion:112 Resp: 278171

Ion Ratio Lower Upper

112 100

64 50.9 46.6 69.8

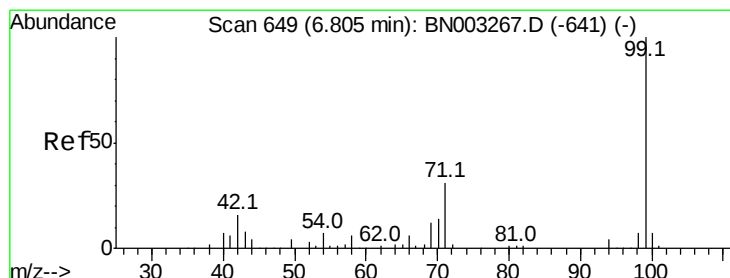
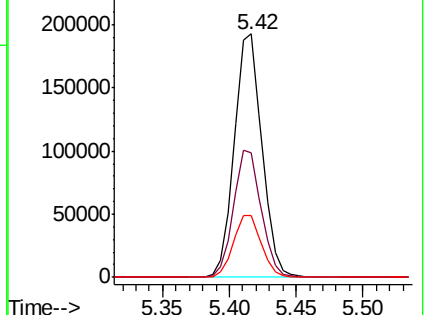
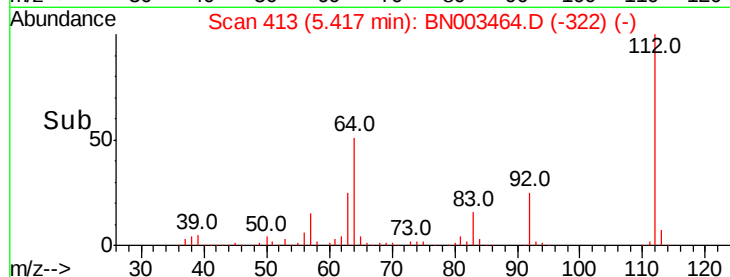
63 25.2 23.8 35.8



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: 25.301 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003464.D

Acq: 07 Nov 2018 22:25

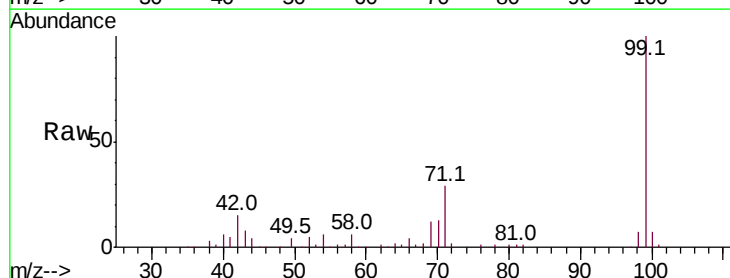
Tgt Ion: 99 Resp: 223228

Ion Ratio Lower Upper

99 100

42 15.2 13.0 19.6

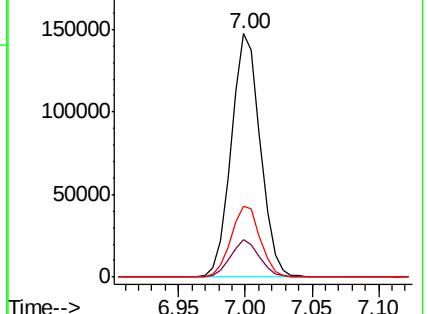
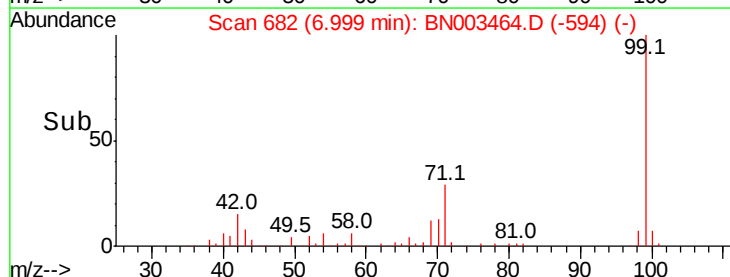
71 29.2 24.5 36.7

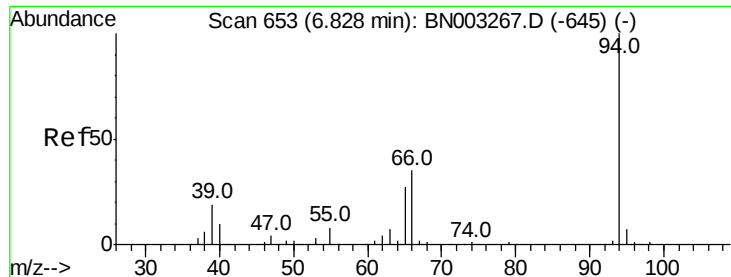


Abundance Ion 99.00 (98.70 to 99.70): BN

Ion 42.00 (41.70 to 42.70): BN

Ion 71.00 (70.70 to 71.70): BN





#10

Phenol

Concen: 2.268 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003464.D

Acq: 07 Nov 2018 22:25

Instrument :

BNA_N

ClientSampleId :

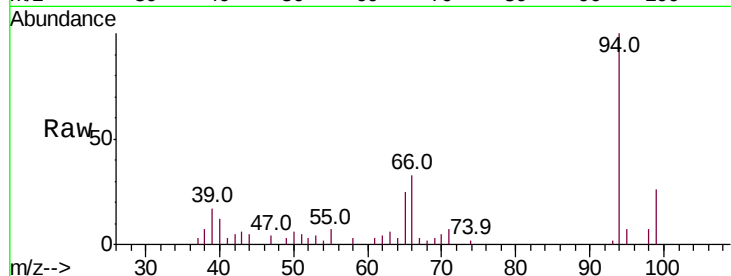
Tot Ion: 94 Resp: 21119

Ion Ratio Lower Upper

94 100

65 24.7 7.7 47.7

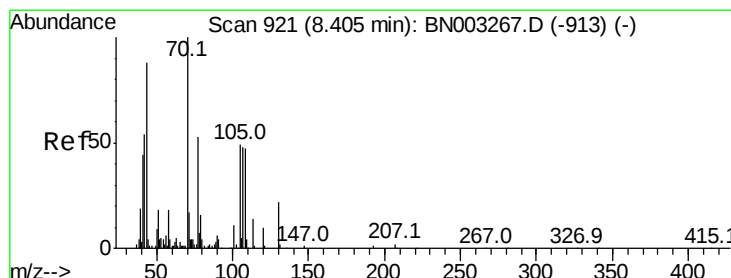
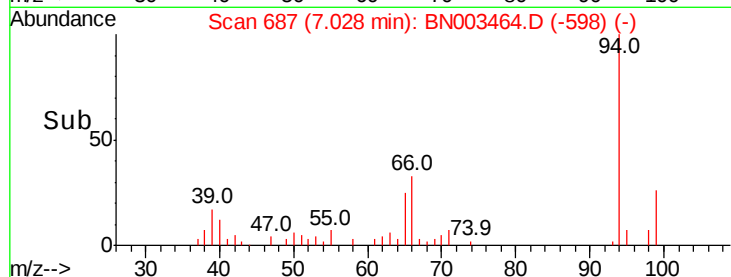
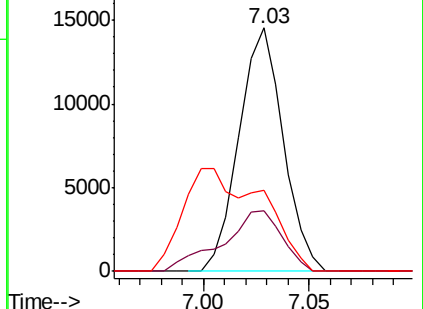
66 33.3 15.8 55.8



Abundance Ion 94.00 (93.70 to 94.70): BN003267.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BN003267.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BN003267.D (-645) (-)



#19

n-Nitroso-di-n-propylamine

Concen: 15.582 ng

RT: 9.02 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BN003464.D

Acq: 07 Nov 2018 22:25

Tgt Ion: 70 Resp: 99134

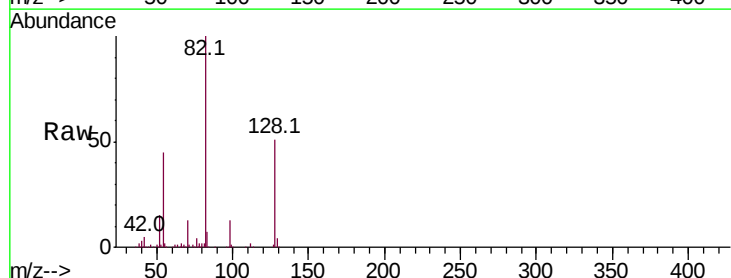
Ion Ratio Lower Upper

70 100

42 41.1 43.5 65.3#

101 0.0 8.6 12.8#

130 2.5 18.0 27.0#

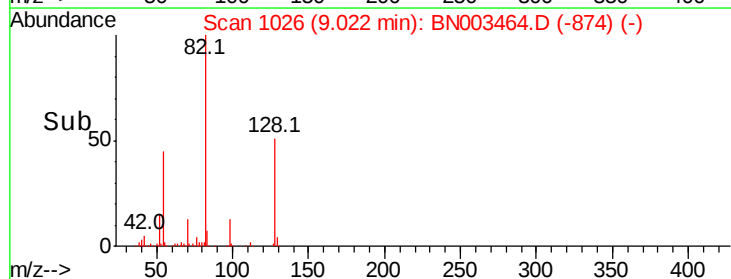
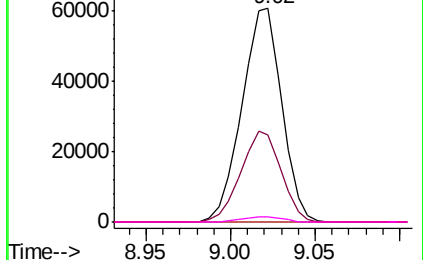


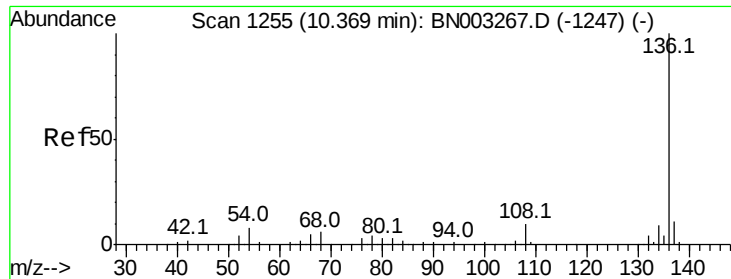
Abundance Ion 70.00 (69.70 to 70.70): BN003267.D (-913) (-)

Ion 42.00 (41.70 to 42.70): BN003267.D (-913) (-)

Ion 101.00 (100.70 to 101.70): BN003267.D (-913) (-)

Ion 130.00 (129.70 to 130.70): BN003267.D (-913) (-)

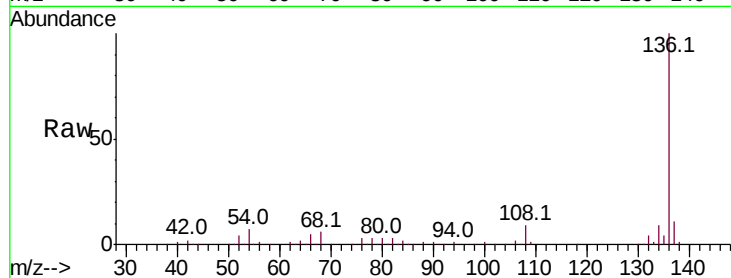




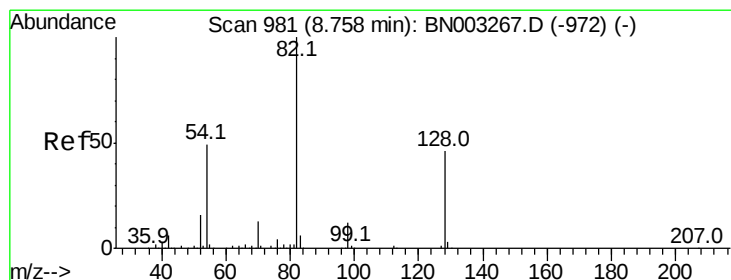
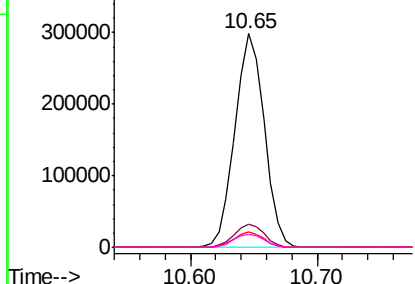
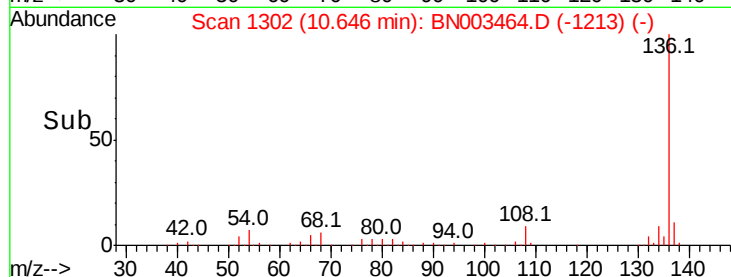
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN003464.D
Acq: 07 Nov 2018 22:25

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	479916
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.7	13.1
54 7.4	6.6	10.0
68 6.0	4.6	7.0

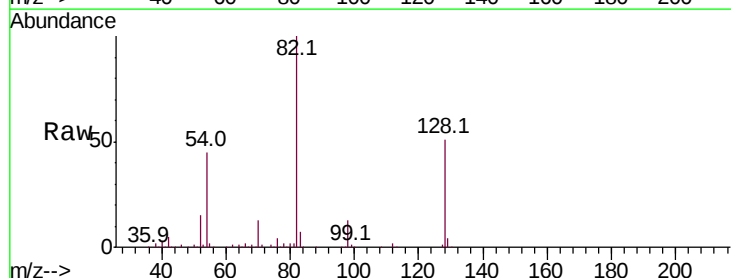


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

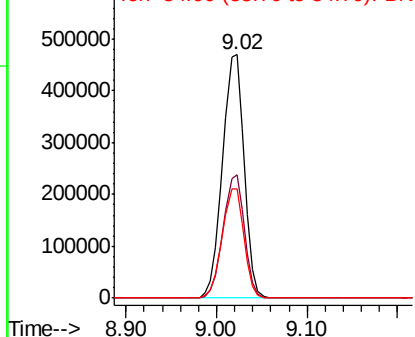
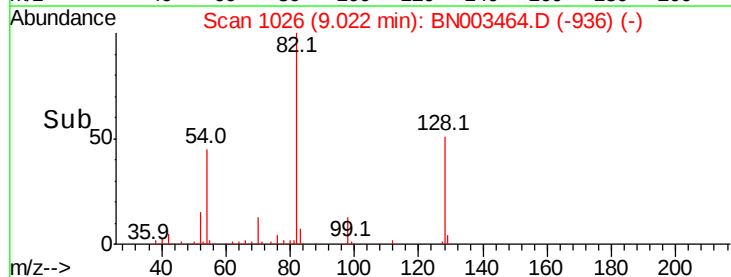


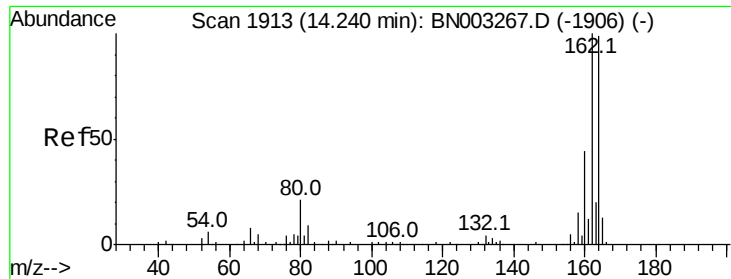
#23
Nitrobenzene-d5
Concen: 92.865 ng
RT: 9.02 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BN003464.D
Acq: 07 Nov 2018 22:25

Tgt	Ion: 82	Resp:	777125
Ion	Ratio	Lower	Upper
82	100		
128	50.7	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: BN003464.D

Acq: 07 Nov 2018 22:25

Instrument :

BNA_N

ClientSampled :

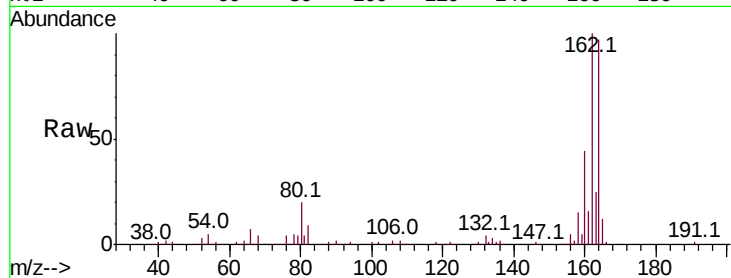
Tot Ion:164 Resp: 294716

Ion Ratio Lower Upper

164 100

162 102.8 80.8 121.2

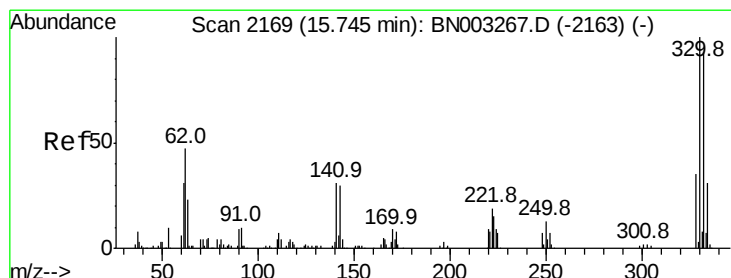
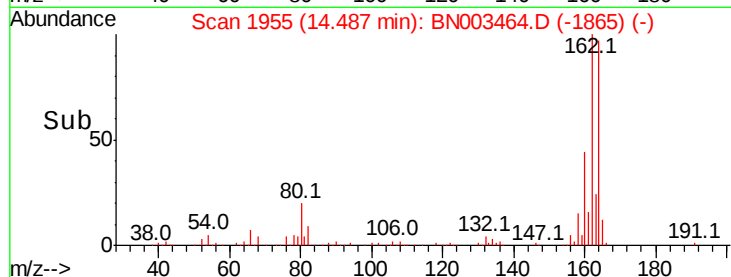
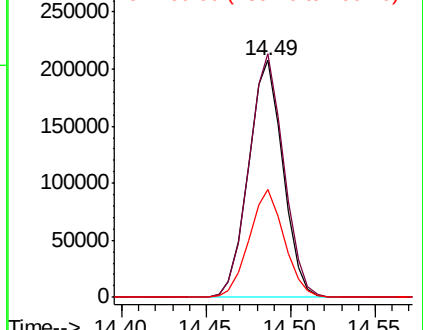
160 45.5 35.5 53.3



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: 112.001 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003464.D

Acq: 07 Nov 2018 22:25

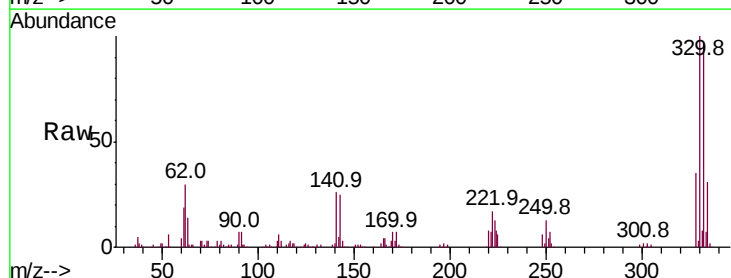
Tgt Ion:330 Resp: 444472

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

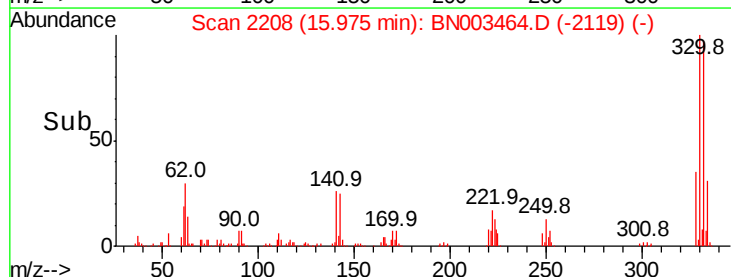
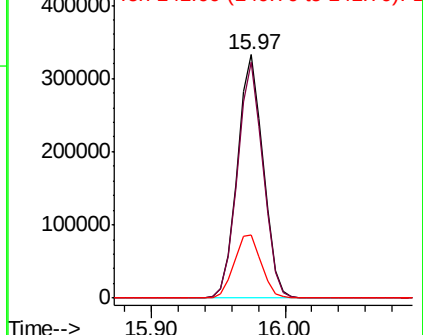
141 27.5 24.5 36.7

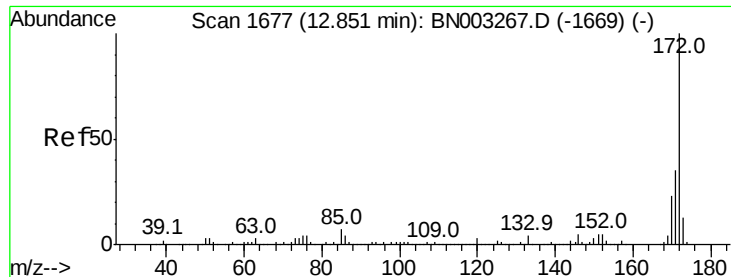


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



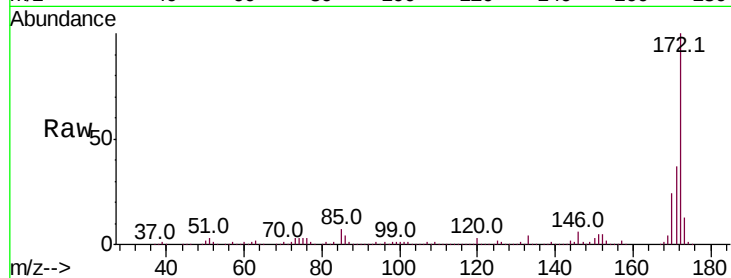


#45
 2-Fluorobiphenyl
 Concen: 98.959 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BN003464.D
 Acq: 07 Nov 2018 22:25

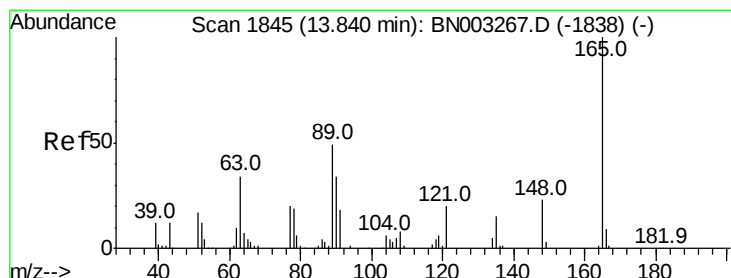
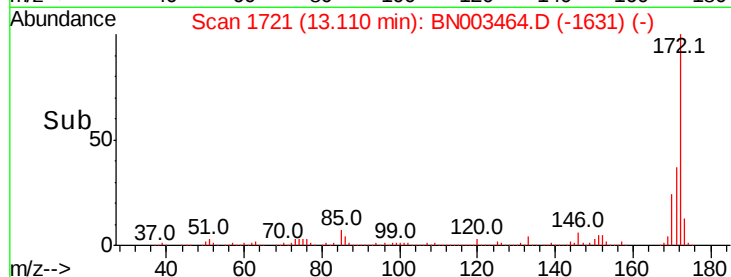
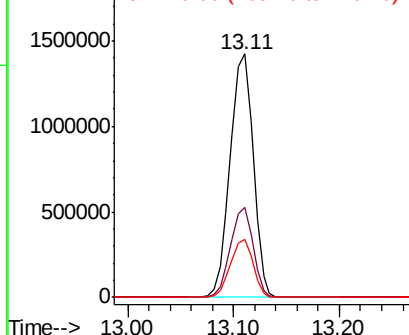
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 2150120

Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.2	42.4
170	23.8	18.4	27.6



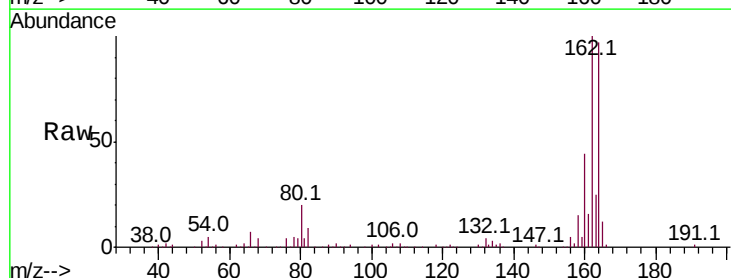
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



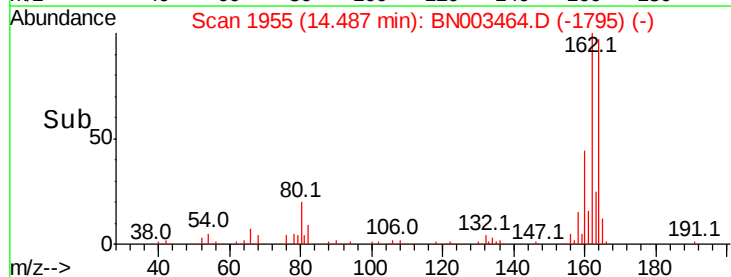
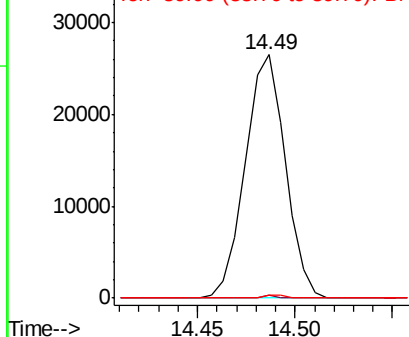
#51
 2,6-Dinitrotoluene
 Concen: 6.978 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BN003464.D
 Acq: 07 Nov 2018 22:25

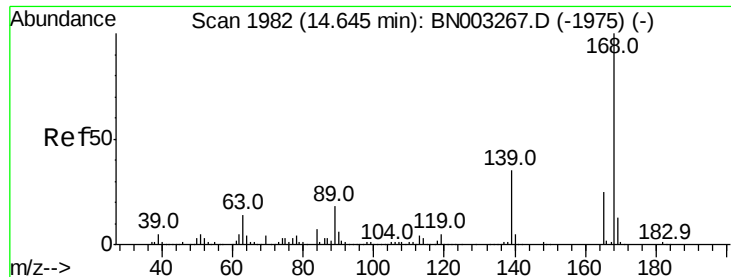
Tgt Ion:165 Resp: 37740

Ion	Ratio	Lower	Upper
165	100		
63	1.3	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

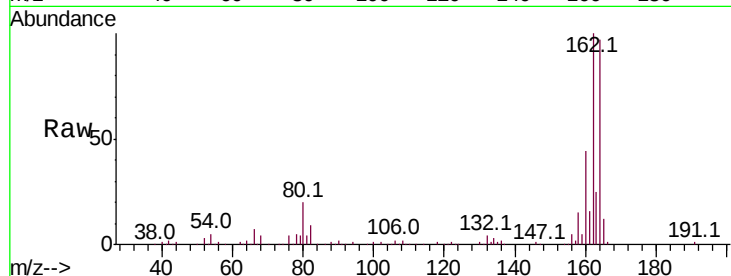




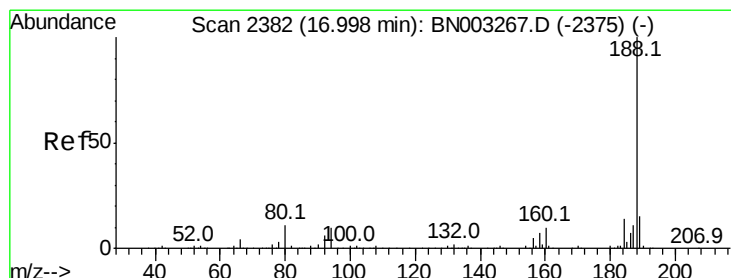
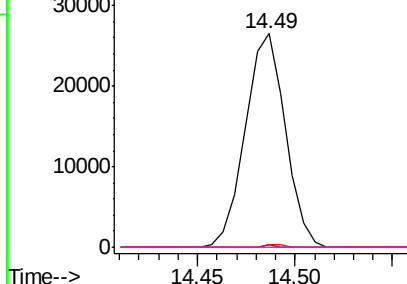
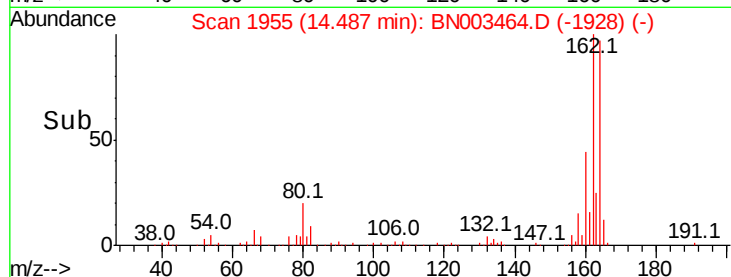
#57
 2,4-Dinitrotoluene
 Concen: 5.146 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BN003464.D
 Acq: 07 Nov 2018 22:25

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 37740
 Ion Ratio Lower Upper
 165 100
 63 1.3 45.8 68.6#
 89 1.3 58.7 88.1#
 182 0.0 2.3 3.5#

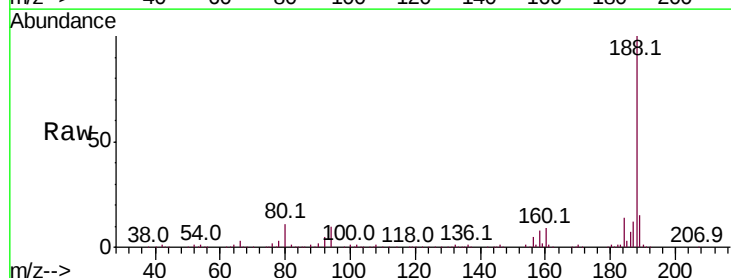


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

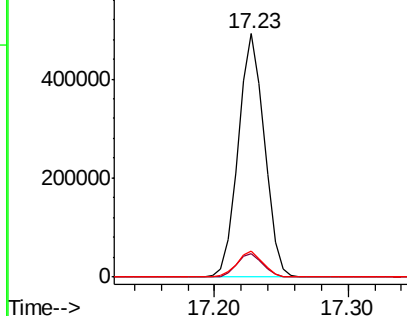
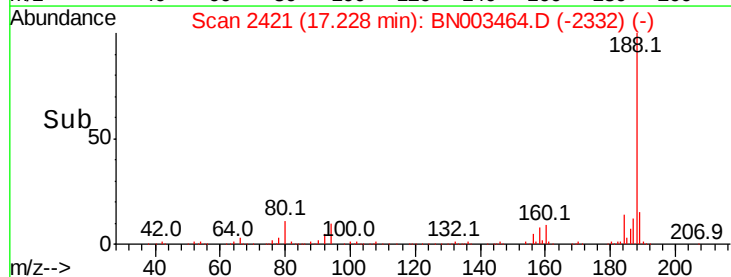


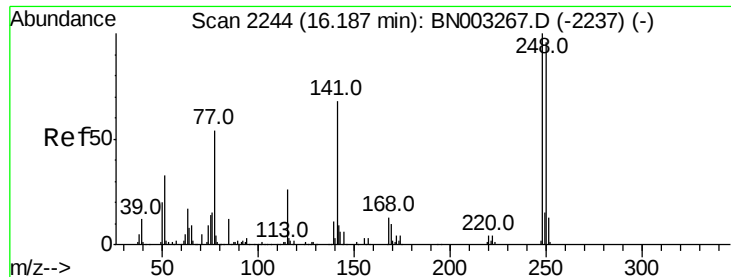
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.23 min Scan# 2421
 Delta R.T. -0.01 min
 Lab File: BN003464.D
 Acq: 07 Nov 2018 22:25

Tgt Ion:188 Resp: 664010
 Ion Ratio Lower Upper
 188 100
 94 9.6 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): BNC
 Ion 80.00 (79.70 to 80.70): BNC

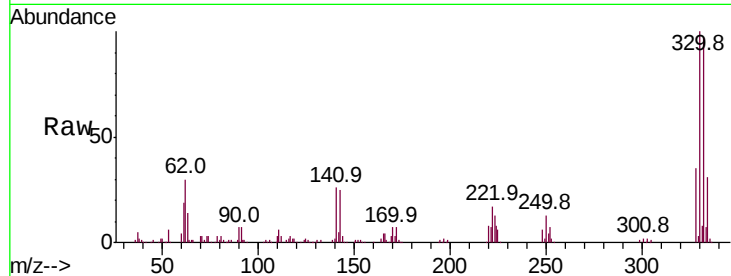




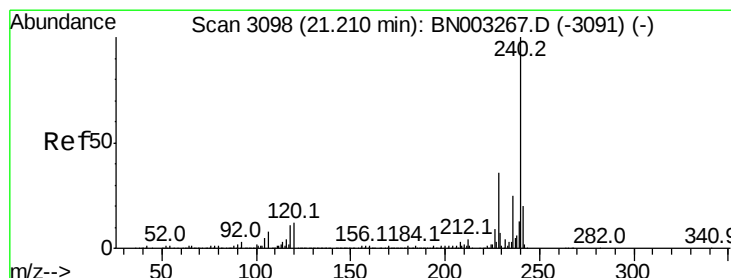
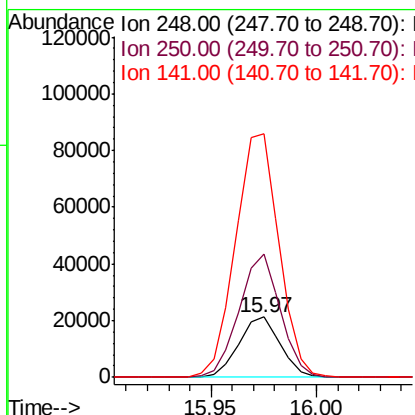
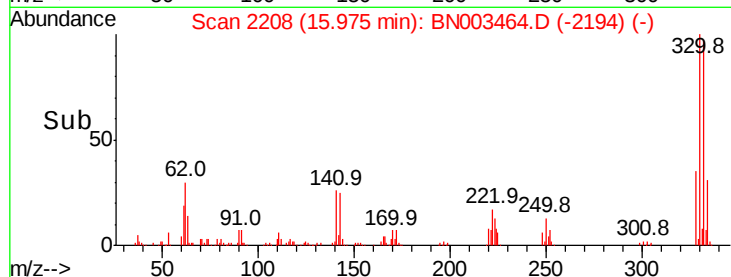
#67
 4-Bromophenyl-phenylether
 Concen: 3.854 ng
 RT: 15.97 min Scan# 2208
 Delta R.T. -0.45 min
 Lab File: BN003464.D
 Acq: 07 Nov 2018 22:25

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:248 Resp: 28822
 Ion Ratio Lower Upper
 248 100
 250 203.0 76.4 114.6#
 141 403.0 54.2 81.4#

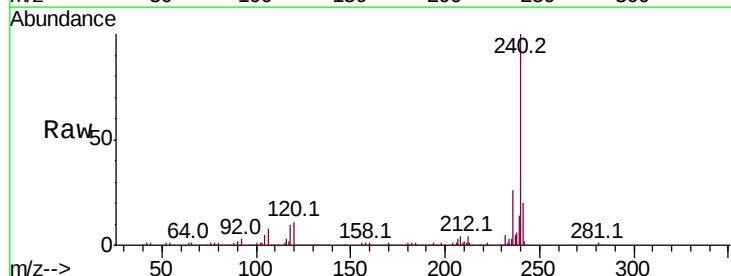


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

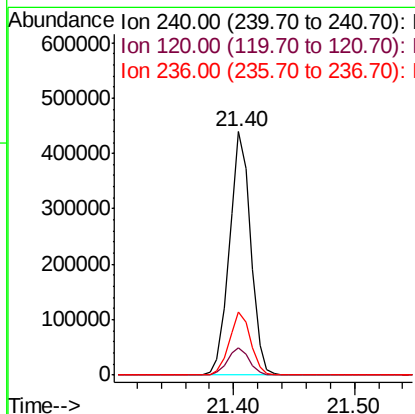
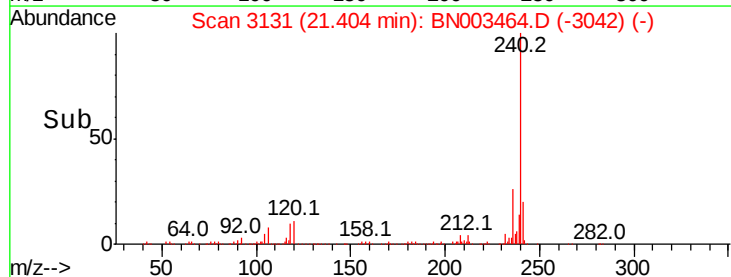


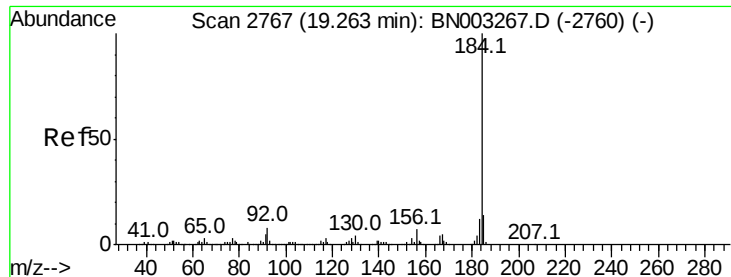
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.40 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BN003464.D
 Acq: 07 Nov 2018 22:25

Tgt Ion:240 Resp: 536320
 Ion Ratio Lower Upper
 240 100
 120 11.4 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: 2.137 ng

RT: 19.85 min Scan# 2867

Delta R.T. 0.38 min

Lab File: BN003464.D

Acq: 07 Nov 2018 22:25

Instrument :

BNA_N

ClientSampleId :

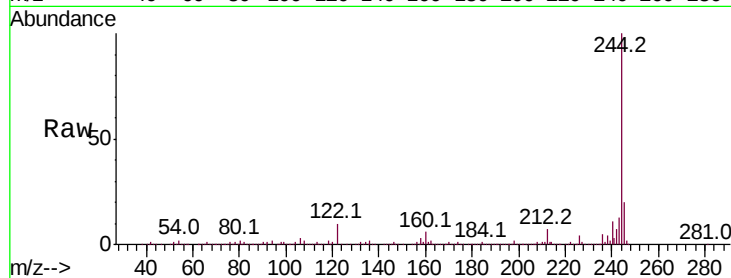
Tot Ion:184 Resp: 33550

Ion Ratio Lower Upper

184 100

185 16.6 11.5 17.3

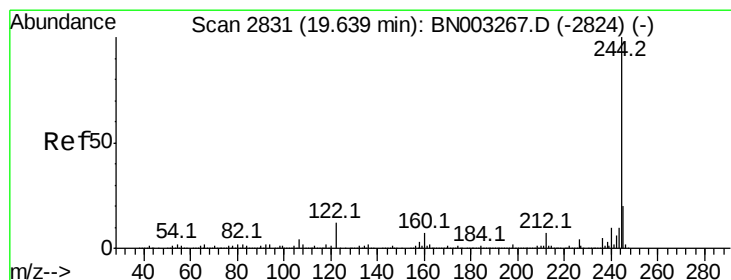
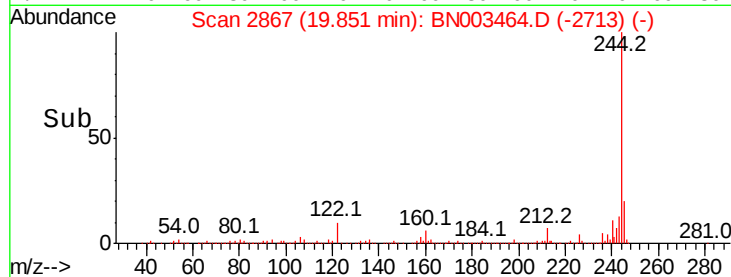
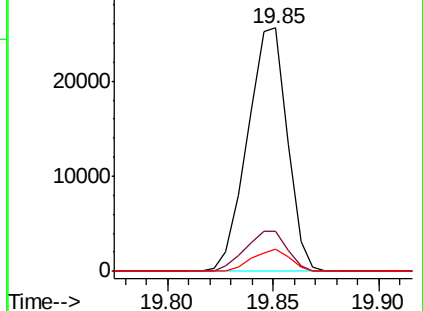
183 9.1 9.4 14.0#



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: 110.273 ng

RT: 19.85 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BN003464.D

Acq: 07 Nov 2018 22:25

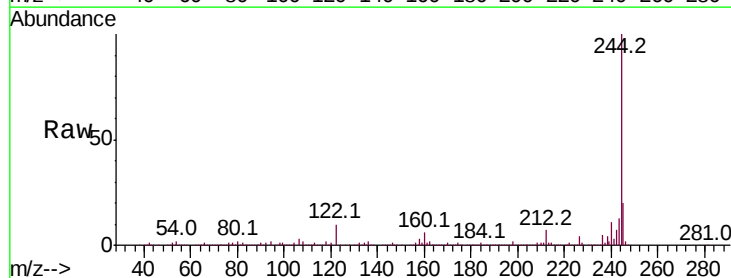
Tgt Ion:244 Resp: 2765510

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

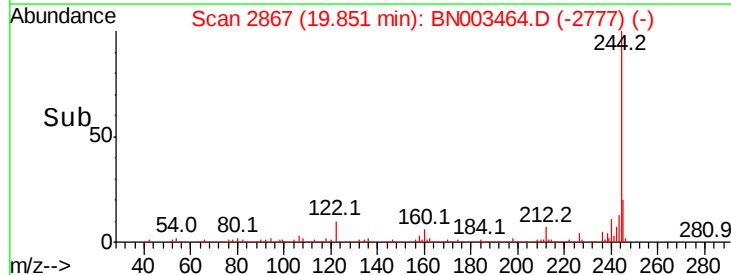
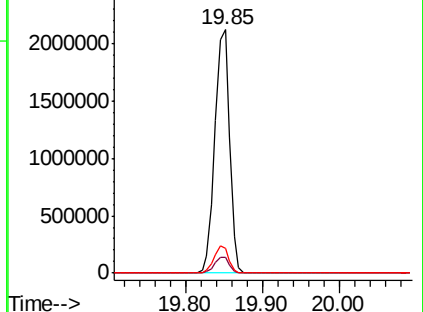
122 10.2 9.4 14.2

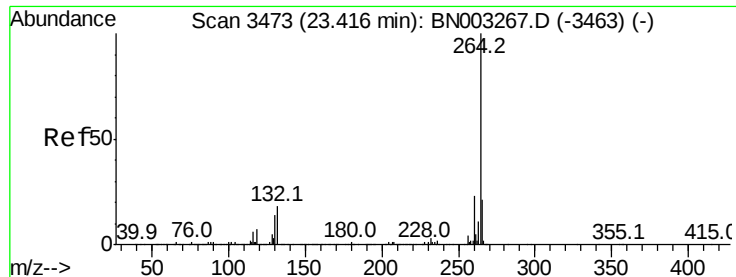


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.72 min Scan# 3525
 Delta R.T. -0.01 min
 Lab File: BN003464.D
 Acq: 07 Nov 2018 22:25

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	21.4	16.6	25.0

