

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072618\
 Data File : BN002174.D
 Acq On : 26 Jul 2018 16:07
 Operator : JU/SJ
 Sample : PB111396BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 27 01:20:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 26 18:27:25 2018
 Response via : Initial Calibration

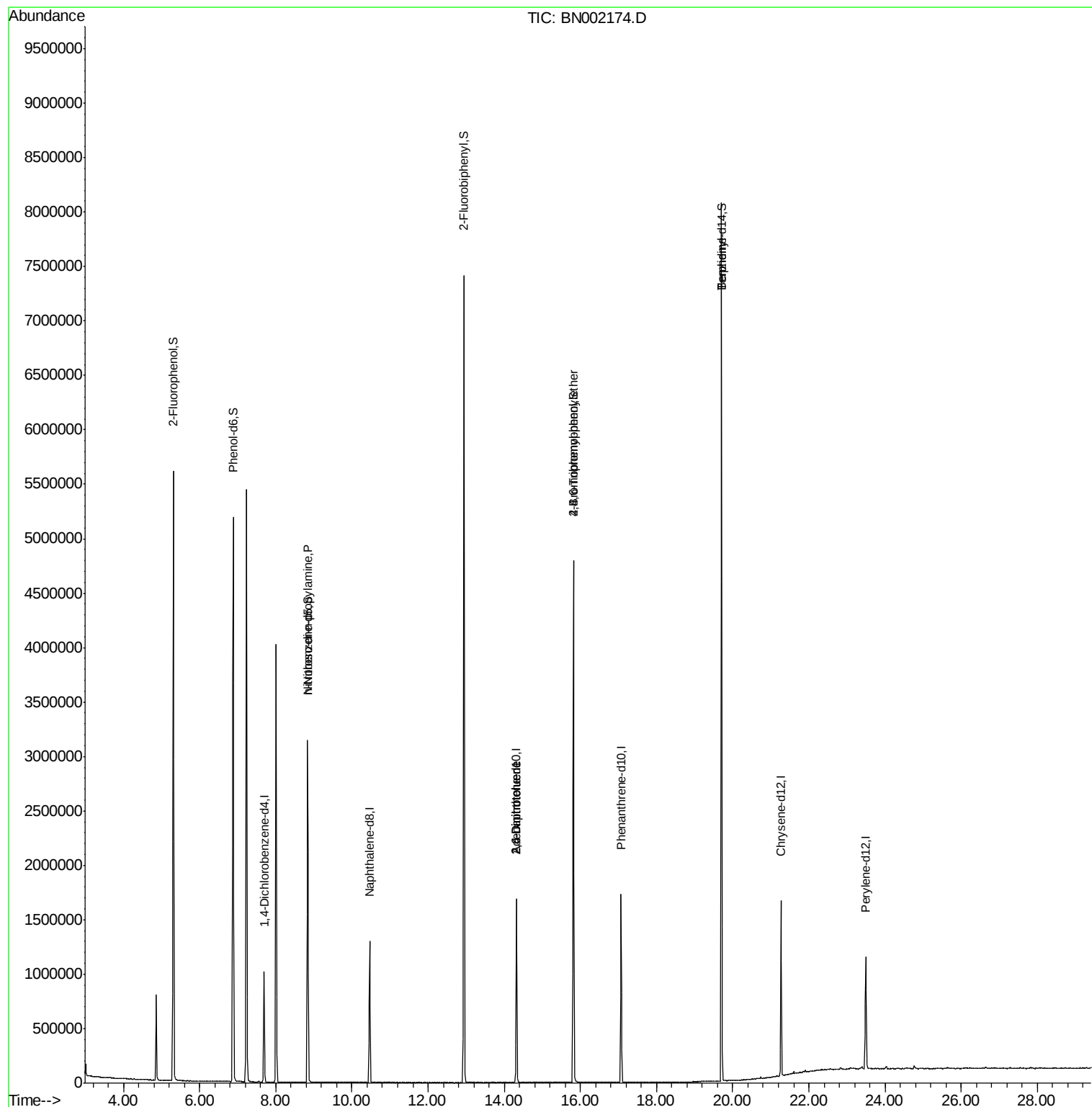
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	262879	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1031239	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	538970	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1001200	20.00	ng	0.00
75) Chrysene-d12	21.27	240	735390	20.00	ng	0.00
86) Perylene-d12	23.49	264	722273	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	2169077	132.84	ng	0.00
7) Phenol-d6	6.88	99	2881743	125.76	ng	0.00
23) Nitrobenzene-d5	8.84	82	1802621	89.64	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	827411	118.22	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3780866	91.37	ng	0.00
78) Terphenyl-d14	19.71	244	3697490	104.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.84	70	242095	14.566	ng	# 80
50) 2,6-Dinitrotoluene	14.32	165	68486	6.885	ng	# 20
56) 2,4-Dinitrotoluene	14.32	165	68486	5.073	ng	# 18
66) 4-Bromophenyl-phenylether	15.82	248	56947	4.859	ng	# 1
76) Benzidine	19.71	184	51371	2.142	ng	# 91

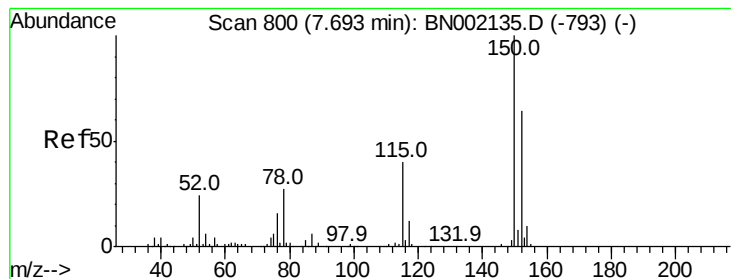
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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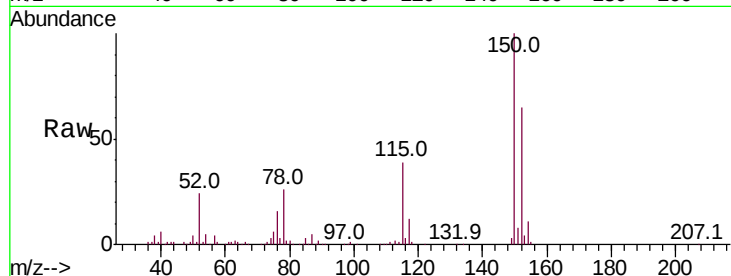


#1

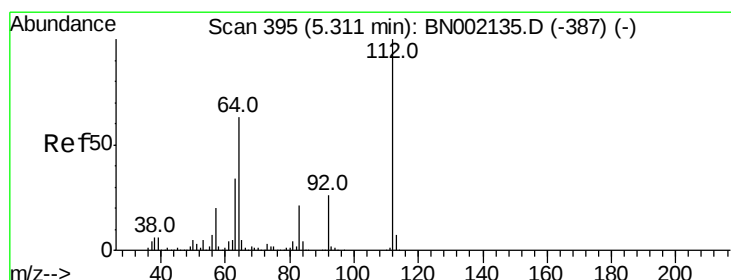
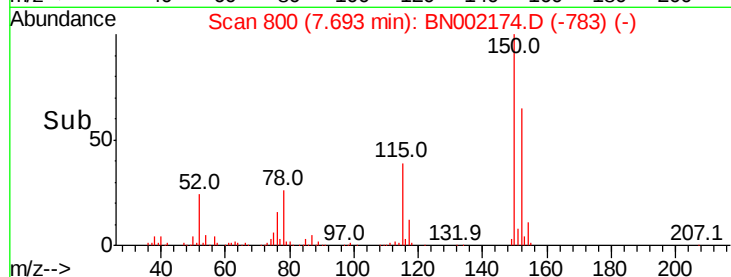
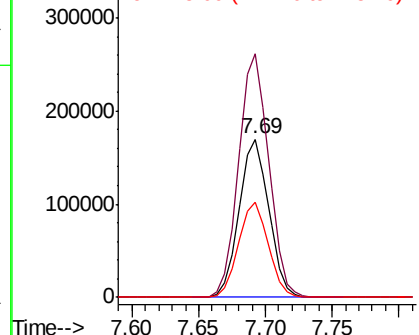
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. -0.00 min
Lab File: BN002174.D
Acq: 26 Jul 2018 16:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 262879
Ion Ratio Lower Upper
152 100
150 153.7 126.6 189.8
115 60.0 53.0 79.4



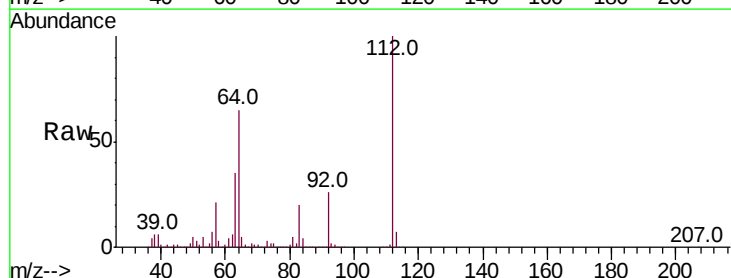
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



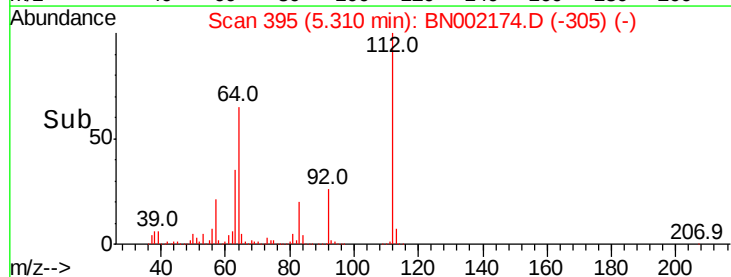
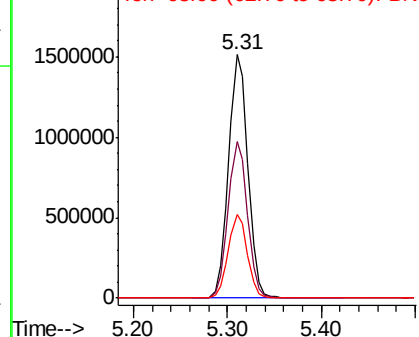
#5

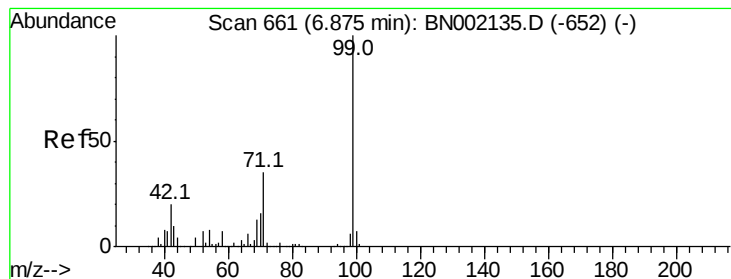
2-Fluorophenol
Concen: 132.839 ng
RT: 5.31 min Scan# 395
Delta R.T. 0.00 min
Lab File: BN002174.D
Acq: 26 Jul 2018 16:07

Tgt Ion:112 Resp: 2169077
Ion Ratio Lower Upper
112 100
64 64.5 56.3 84.5
63 34.6 30.1 45.1



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: 125.762 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.01 min

Lab File: BN002174.D

Acq: 26 Jul 2018 16:07

Instrument :

BNA_N

ClientSampleId :

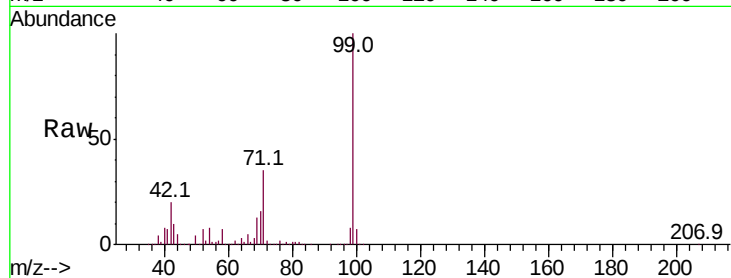
Tot Ion: 99 Resp: 2881743

Ion Ratio Lower Upper

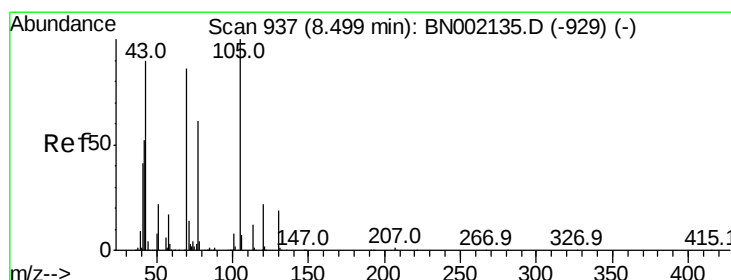
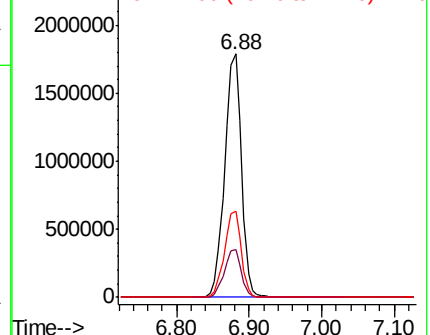
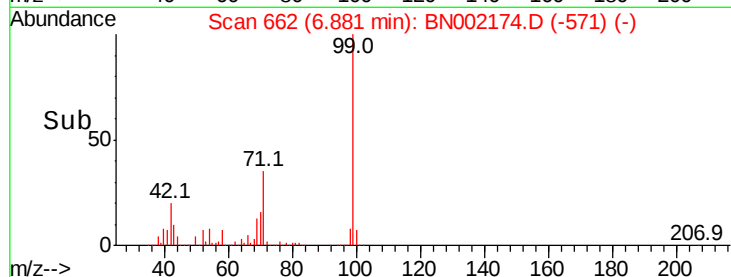
99 100

42 19.6 14.1 21.1

71 35.2 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.566 ng

RT: 8.84 min Scan# 995

Delta R.T. 0.34 min

Lab File: BN002174.D

Acq: 26 Jul 2018 16:07

Tgt Ion: 70 Resp: 242095

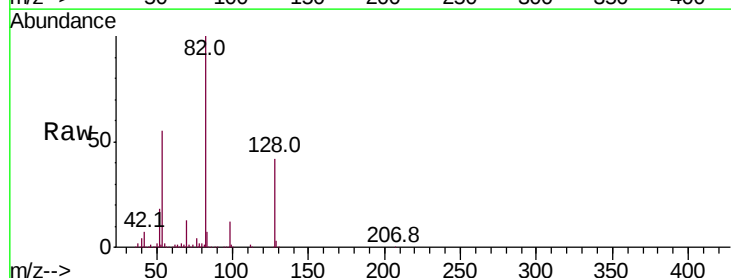
Ion Ratio Lower Upper

70 100

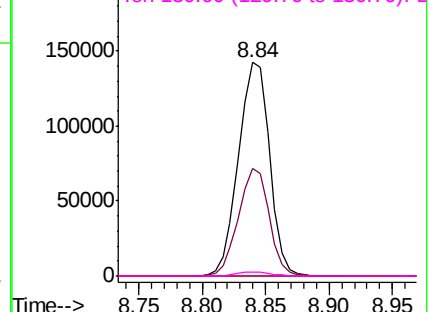
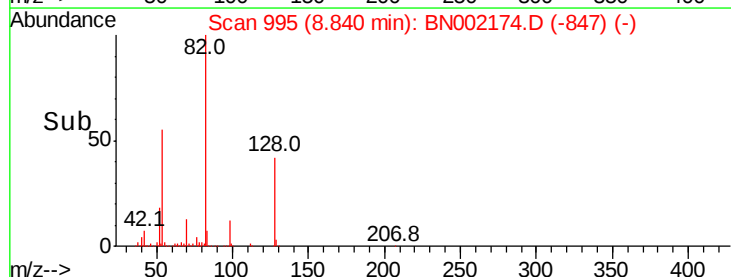
42 50.6 49.1 73.7

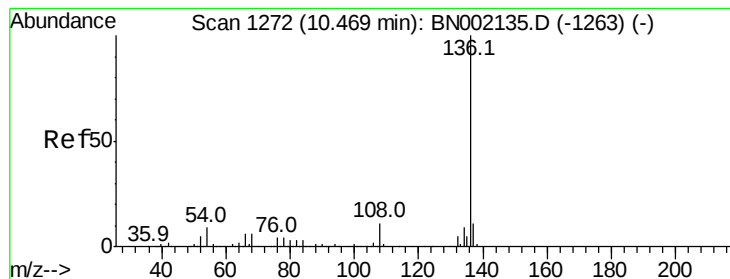
101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BN002174.D

Acq: 26 Jul 2018 16:07

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 1031239

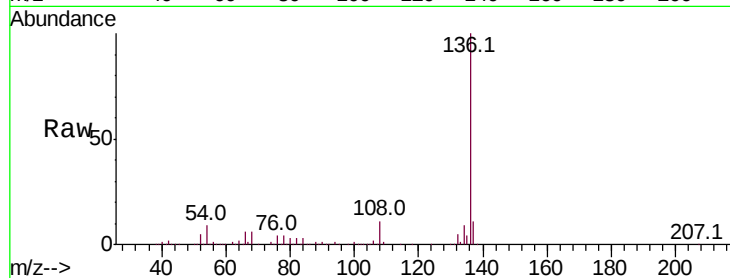
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 9.3 10.3 15.5#

68 6.4 4.5 6.7

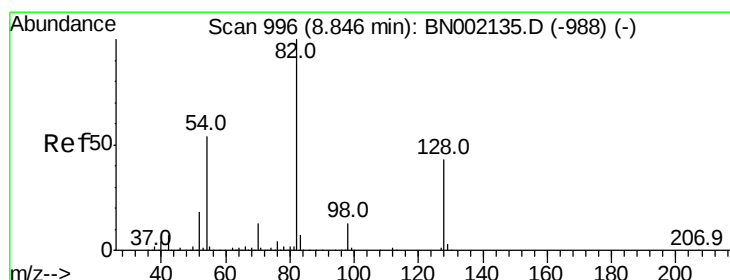
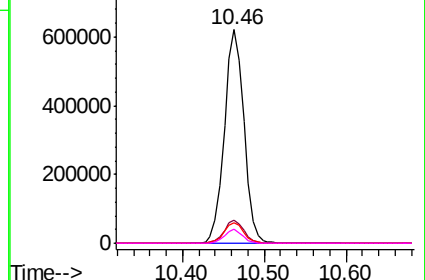
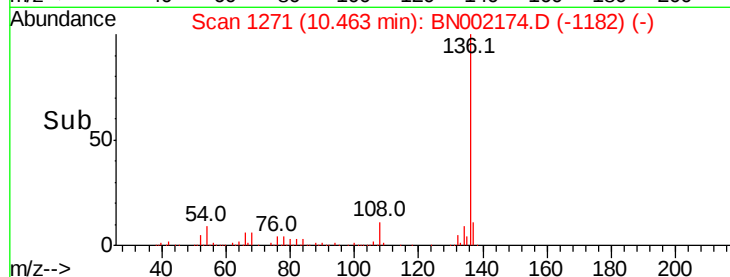


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.644 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BN002174.D

Acq: 26 Jul 2018 16:07

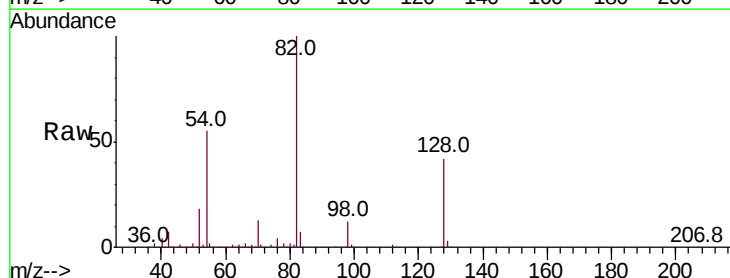
Tgt Ion: 82 Resp: 1802621

Ion Ratio Lower Upper

82 100

128 42.0 29.7 44.5

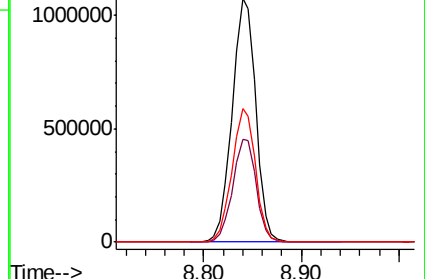
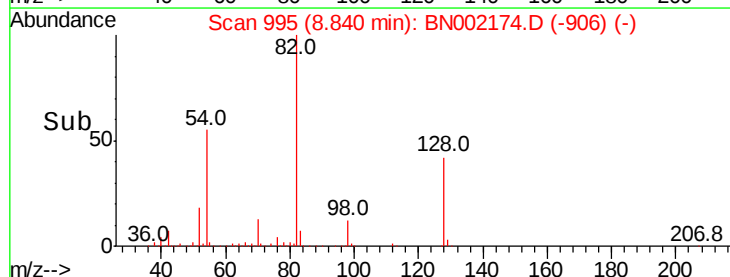
54 55.0 43.1 64.7

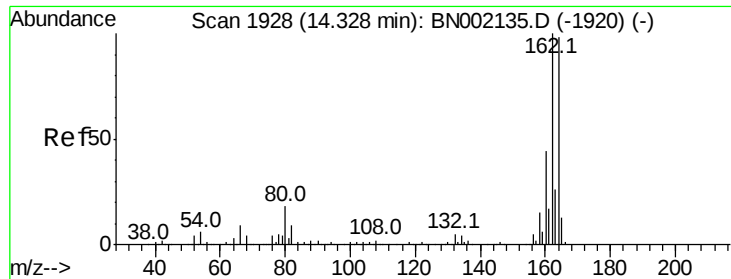


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

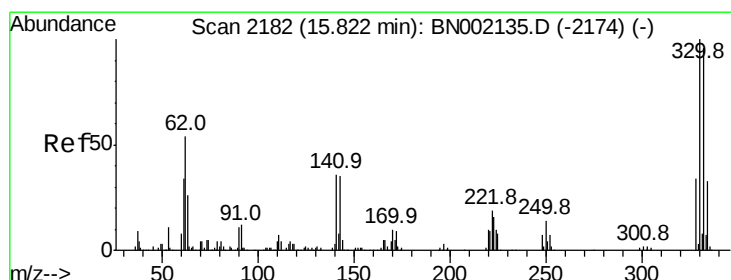
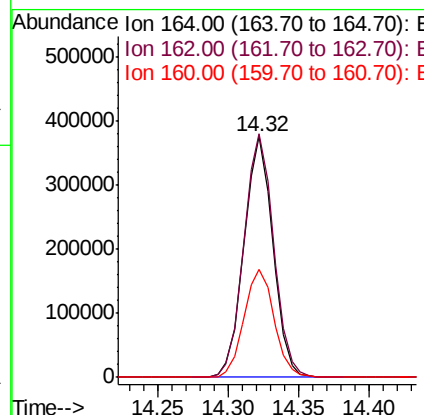
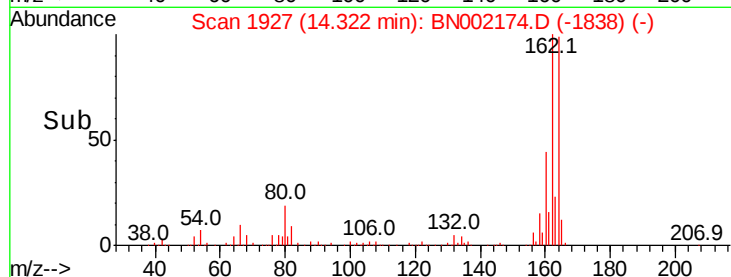
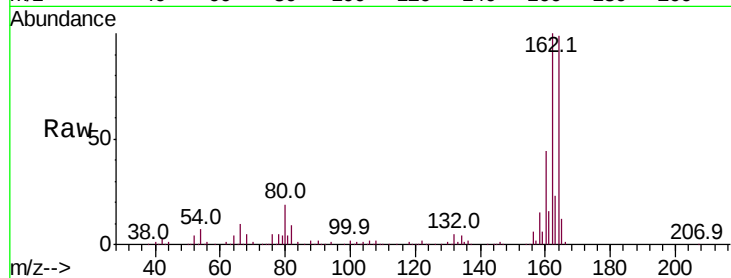




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BN002174.D
 Acq: 26 Jul 2018 16:07

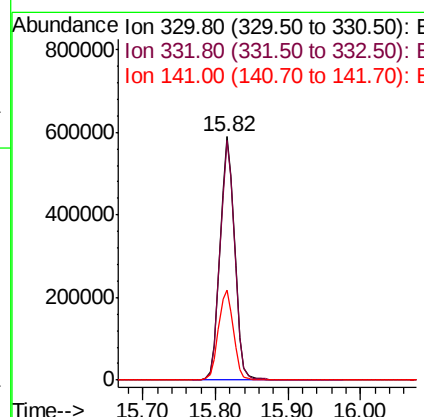
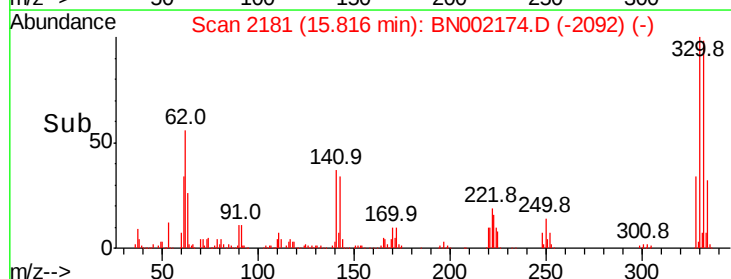
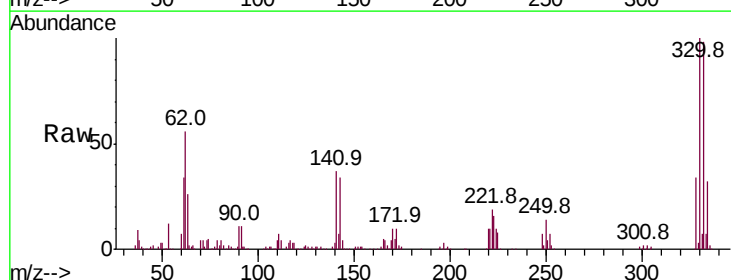
Instrument :
 BNA_N
 ClientSampleId :

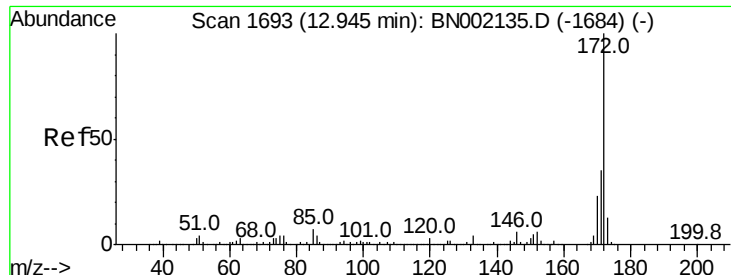
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	78.8	118.2
160	44.9	35.4	53.0



#41
 2,4,6-Tribromophenol
 Concen: 118.223 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN002174.D
 Acq: 26 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.0	115.6
141	38.2	25.2	37.8#



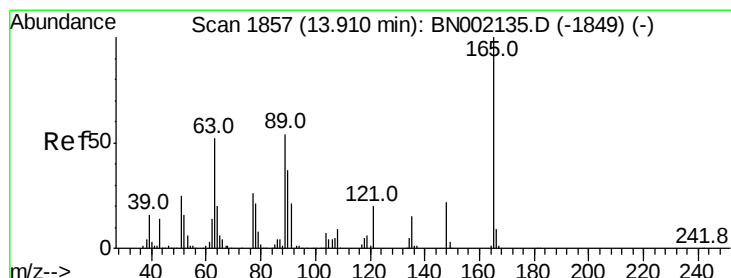
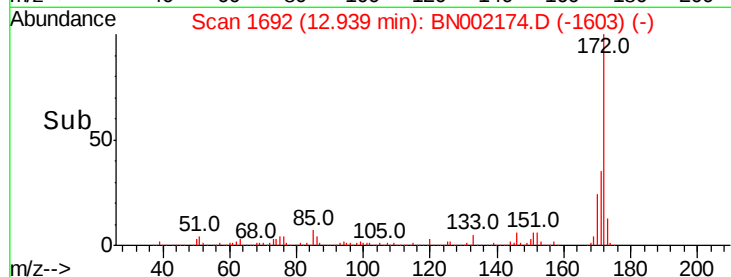
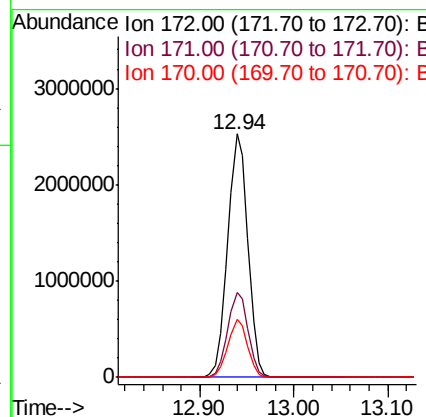
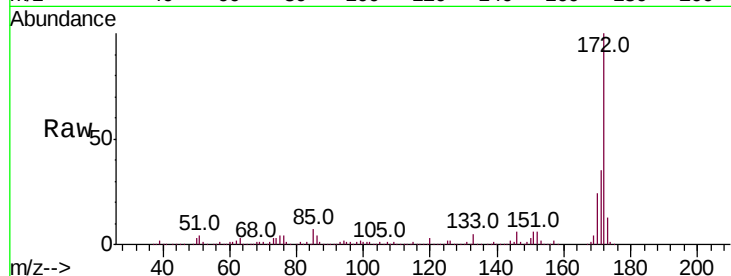


#44
 2-Fluorobiphenyl
 Concen: 91.371 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002174.D
 Acq: 26 Jul 2018 16:07

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 3780866

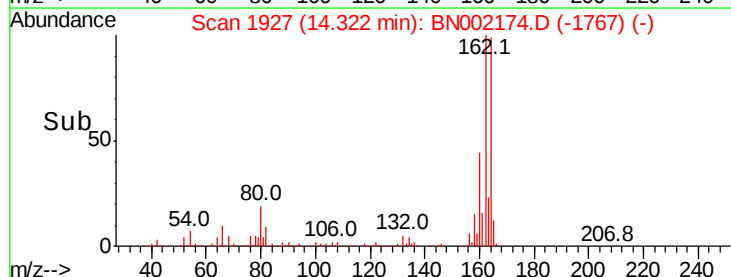
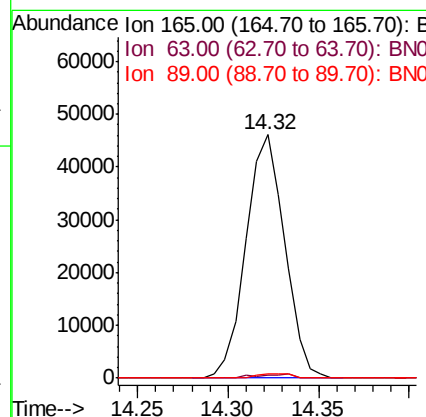
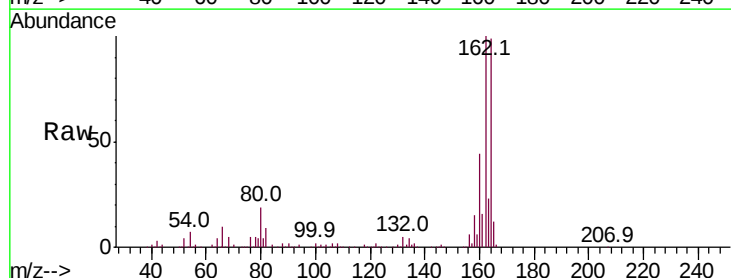
Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.0	45.0
170	23.6	19.5	29.3

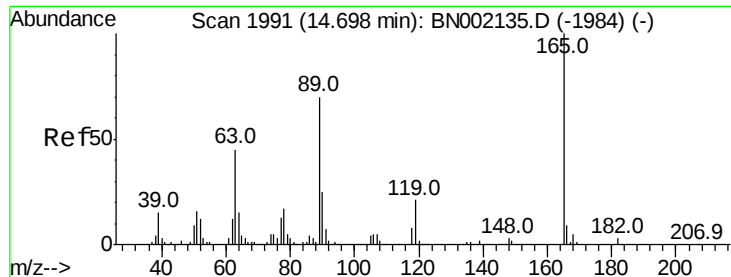


#50
 2,6-Dinitrotoluene
 Concen: 6.885 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. 0.41 min
 Lab File: BN002174.D
 Acq: 26 Jul 2018 16:07

Tgt Ion:165 Resp: 68486

Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	1.6	49.2	73.8#

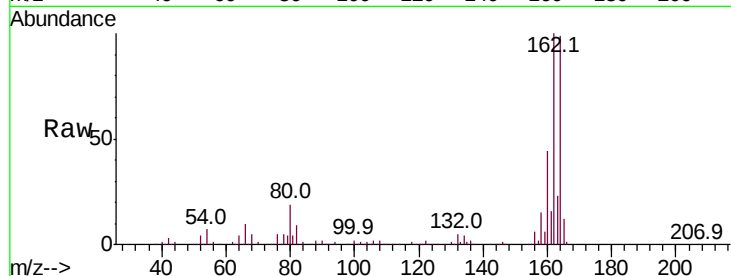




#56
 2,4-Dinitrotoluene
 Concen: 5.073 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. -0.38 min
 Lab File: BN002174.D
 Acq: 26 Jul 2018 16:07

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	1.6	66.9	100.3#
182	0.0	2.6	3.8#

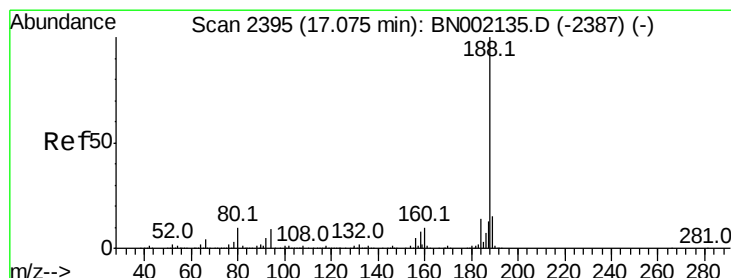
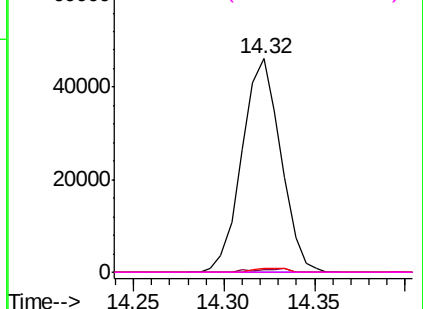
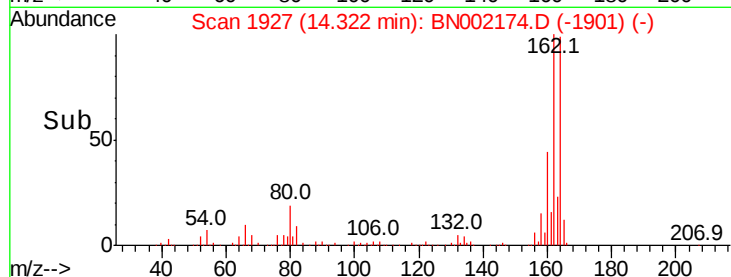


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

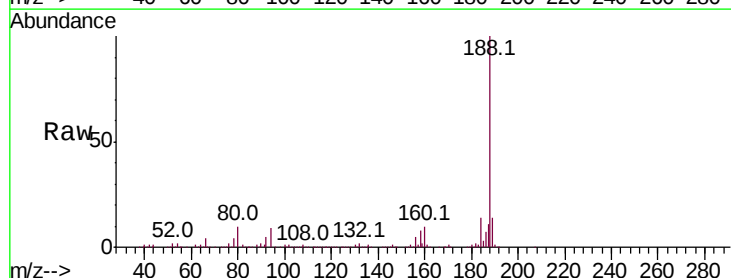
Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.07 min Scan# 2394
 Delta R.T. -0.01 min
 Lab File: BN002174.D
 Acq: 26 Jul 2018 16:07

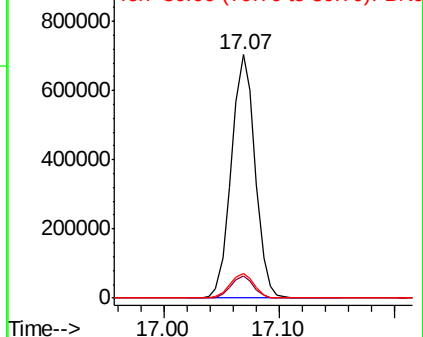
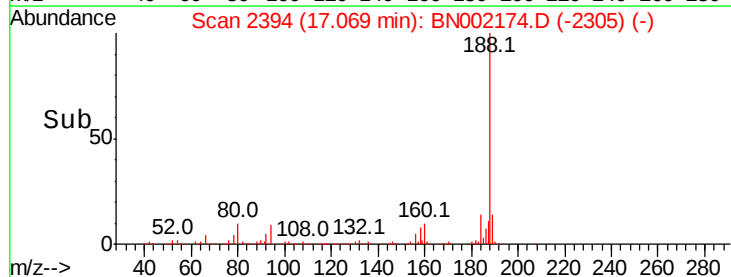
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.9	10.3
80	10.0	7.7	11.5

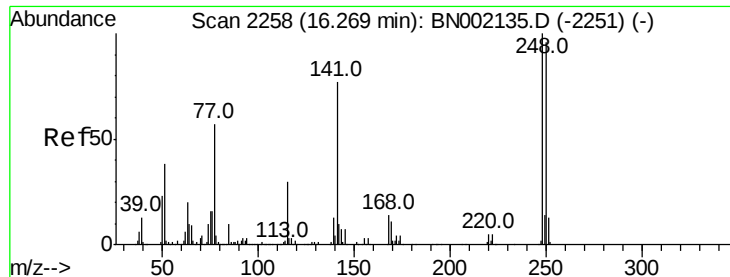


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

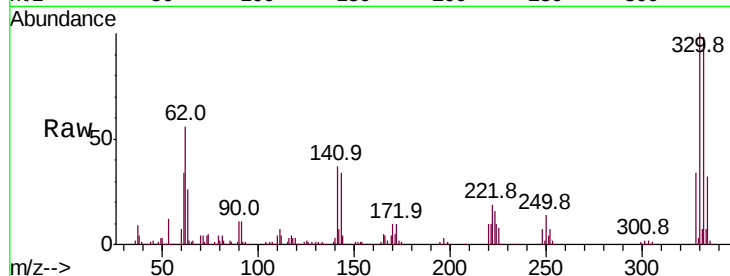




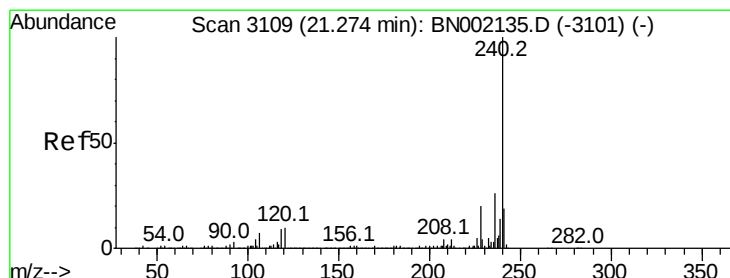
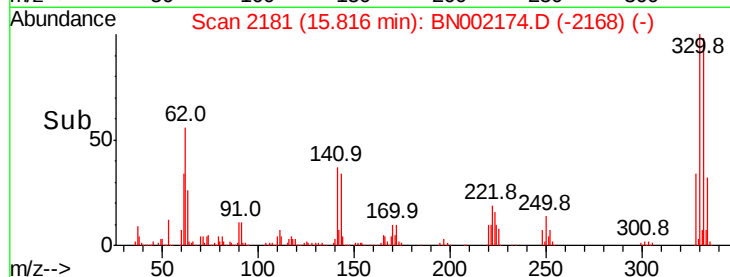
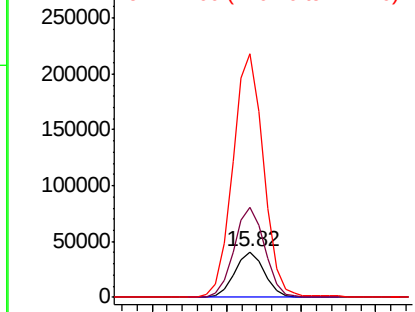
#66
4-Bromophenyl-phenylether
Concen: 4.859 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.45 min
Lab File: BN002174.D
Acq: 26 Jul 2018 16:07

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 56947
Ion Ratio Lower Upper
248 100
250 199.8 77.1 115.7#
141 537.8 50.8 76.2#

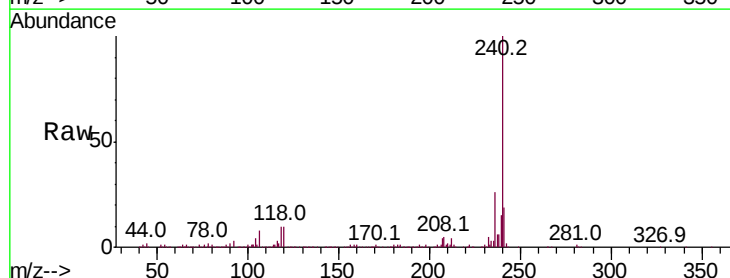


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

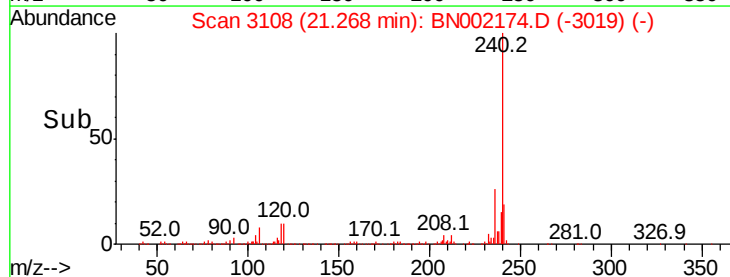
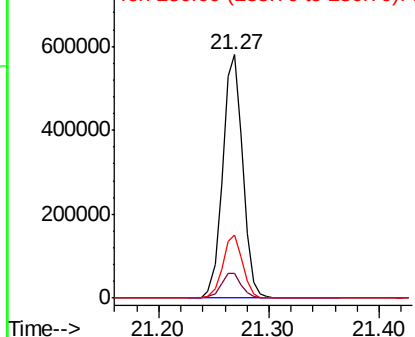


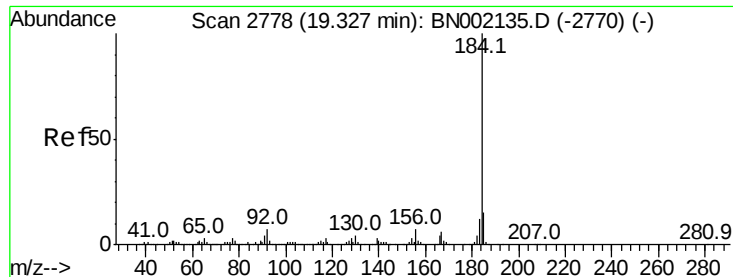
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BN002174.D
Acq: 26 Jul 2018 16:07

Tgt Ion:240 Resp: 735390
Ion Ratio Lower Upper
240 100
120 10.2 6.8 10.2
236 25.7 20.9 31.3



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





#76

Benzidine

Concen: 2.142 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.38 min

Lab File: BN002174.D

Acq: 26 Jul 2018 16:07

Instrument :

BNA_N

ClientSampled :

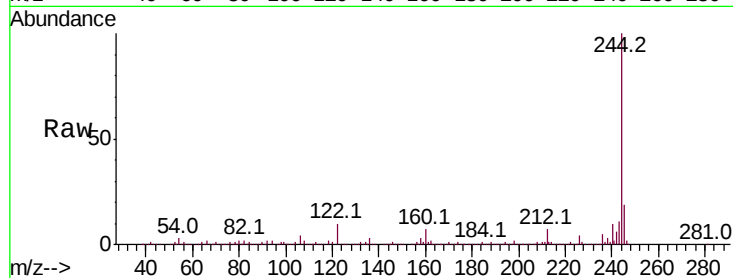
Tot Ion:184 Resp: 51371

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

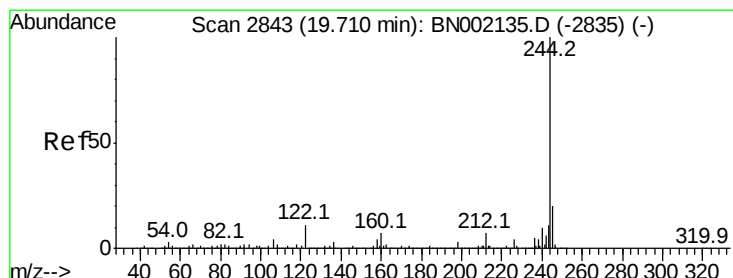
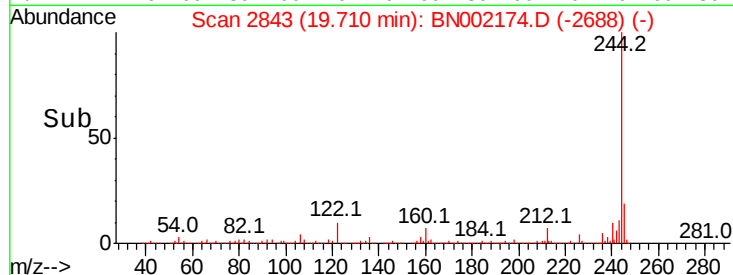
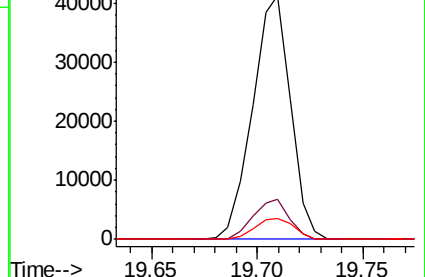
183 8.4 10.6 16.0#



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



#78

Terphenyl-d14

Concen: 104.865 ng

RT: 19.71 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BN002174.D

Acq: 26 Jul 2018 16:07

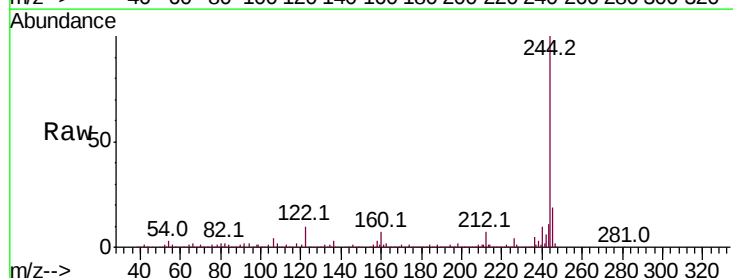
Tgt Ion:244 Resp: 3697490

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

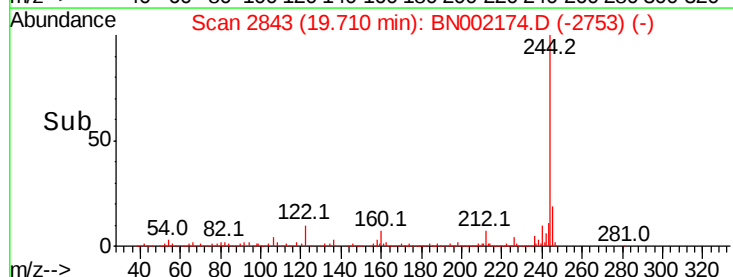
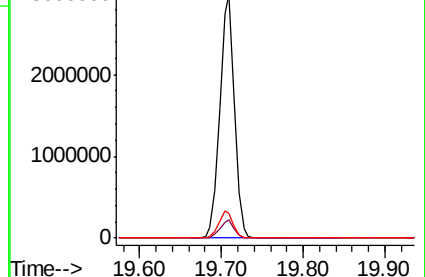
122 10.2 7.0 10.4

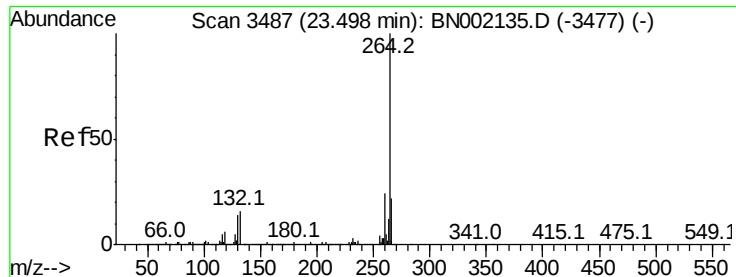


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BN002174.D
Acq: 26 Jul 2018 16:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	20.3	17.7	26.5

