

Data Path : U:\HPCHEM1\BNA N\DATA\BN020518\
 Data File : BN000013.D
 Acq On : 05 Feb 2018 11:33
 Operator :
 Sample : PB106274BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 05:20:24 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 19:48:39 2018
 Response via : Initial Calibration

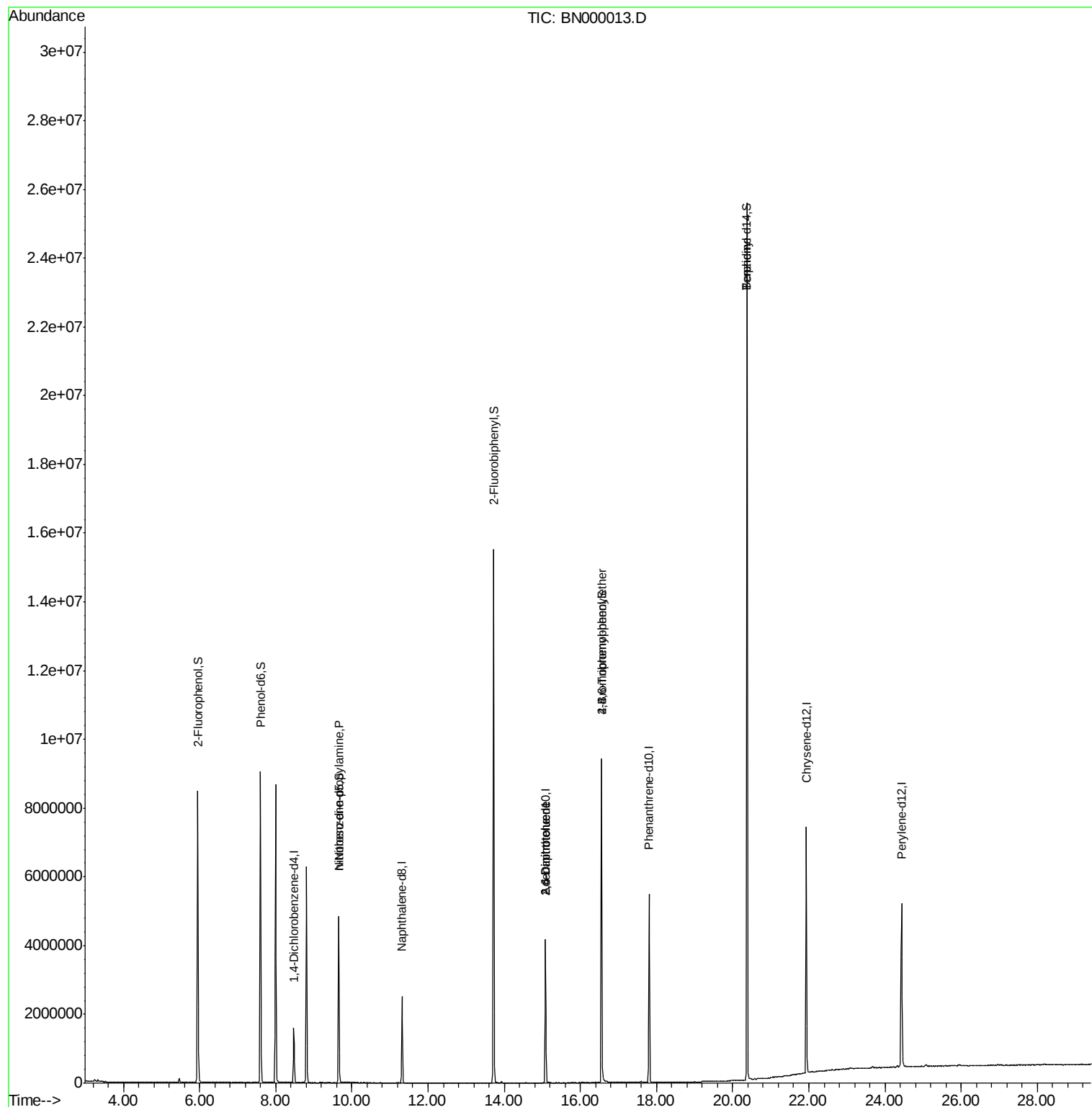
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	438797	20.00	ng	-0.01
21) Naphthalene-d8	11.32	136	2119878	20.00	ng	-0.01
38) Acenaphthene-d10	15.09	164	1275283	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	3028746	20.00	ng	0.00
75) Chrysene-d12	21.93	240	3186281	20.00	ng	-0.02
86) Perylene-d12	24.43	264	3384993	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.95	112	4220798	141.83	ng	0.00
7) Phenol-d6	7.60	99	5813812	128.61	ng	0.00
23) Nitrobenzene-d5	9.66	82	2915152	83.15	ng	0.00
41) 2,4,6-Tribromophenol	16.56	330	1459431	113.84	ng	0.00
44) 2-Fluorobiphenyl	13.72	172	7594314	79.75	ng	0.00
78) Terphenyl-d14	20.38	244	10759828	89.13	ng	0.00
Target Compounds						
9) Benzaldehyde	7.60	77	12282	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.66	70	378812	12.436 ng	#	8
50) 2,6-Dinitrotoluene	15.09	165	162752	7.215 ng	#	20
56) 2,4-Dinitrotoluene	15.09	165	162752	5.358 ng	#	18
66) 4-Bromophenyl-phenylether	16.56	248	106643	3.763 ng	#	1
76) Benzidine	20.37	184	188001	2.331 ng	#	91

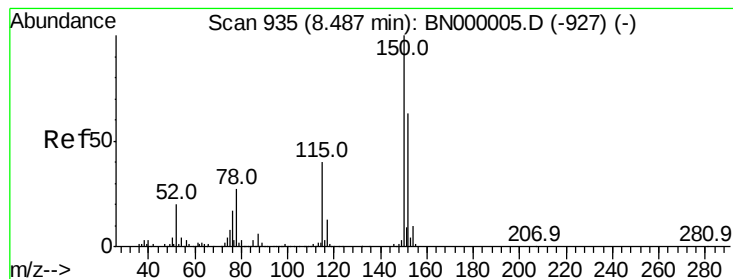
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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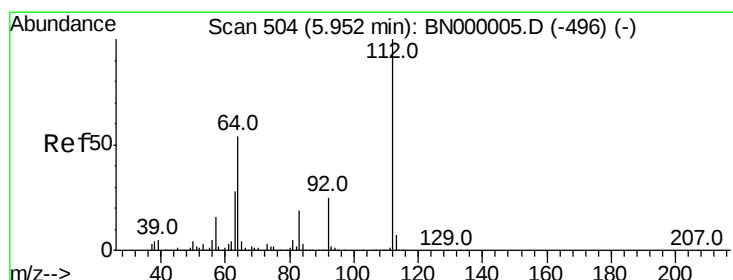
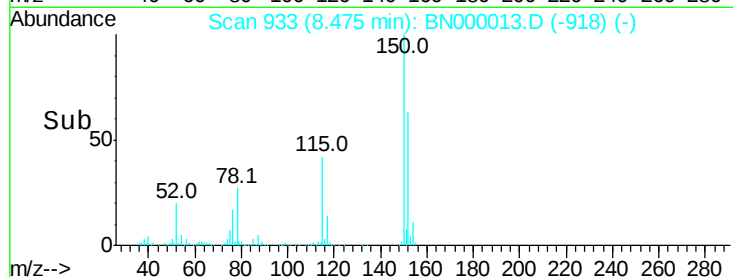
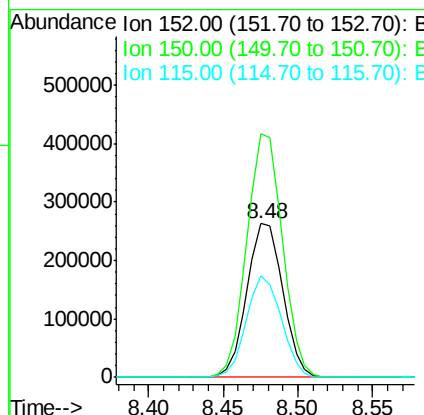
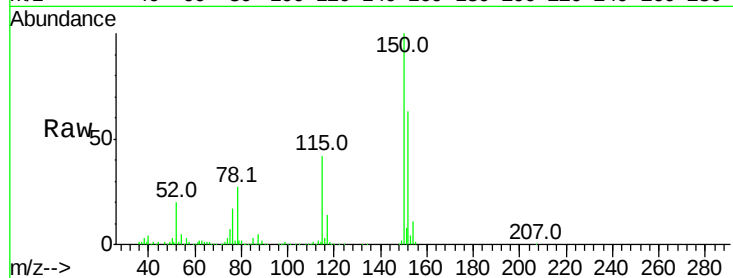


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.48 min Scan# 933
Delta R.T. -0.01 min
Lab File: BN000013.D
Acq: 05 Feb 2018 11:33

Instrument :
BNA_N
ClientSampled :

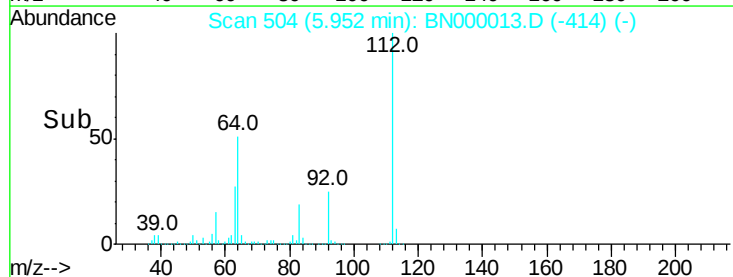
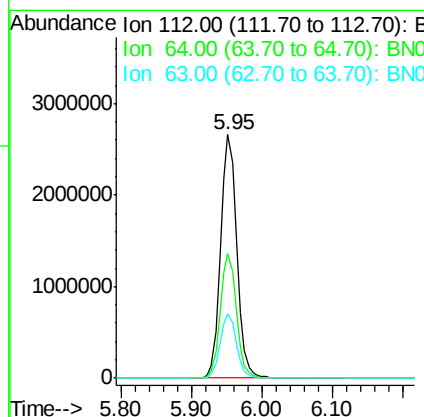
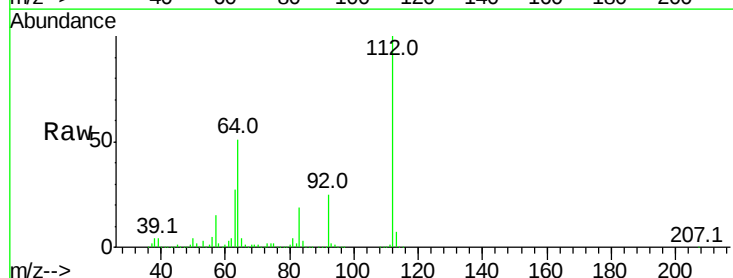
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.6	189.8
115	65.8	53.0	79.4

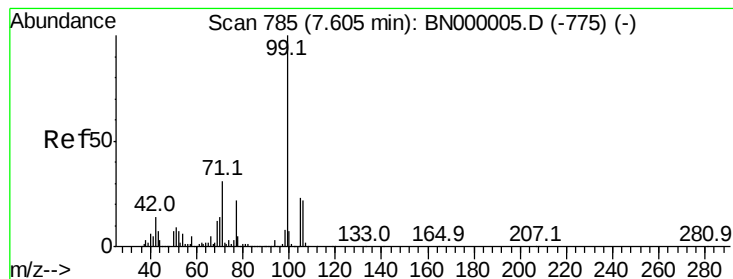


#5

2-Fluorophenol
Concen: 141.826 ng
RT: 5.95 min Scan# 504
Delta R.T. -0.00 min
Lab File: BN000013.D
Acq: 05 Feb 2018 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	56.3	84.5#
63	26.6	30.1	45.1#





#7

Phenol-d6

Concen: 128.611 ng

RT: 7.60 min Scan# 784

Delta R.T. -0.00 min

Lab File: BN000013.D

Acq: 05 Feb 2018 11:33

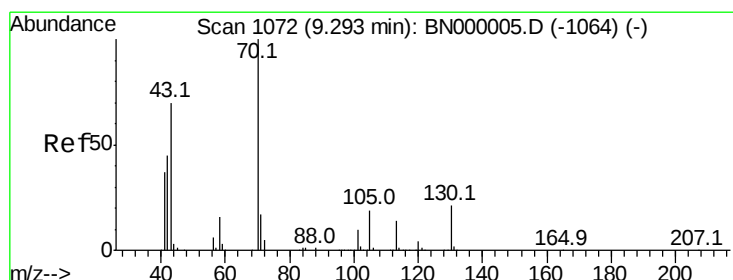
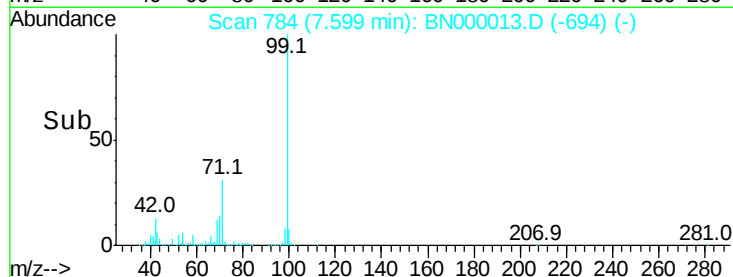
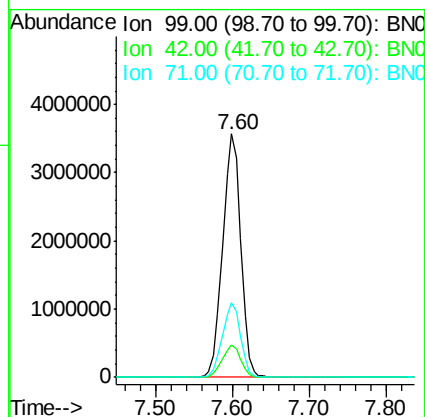
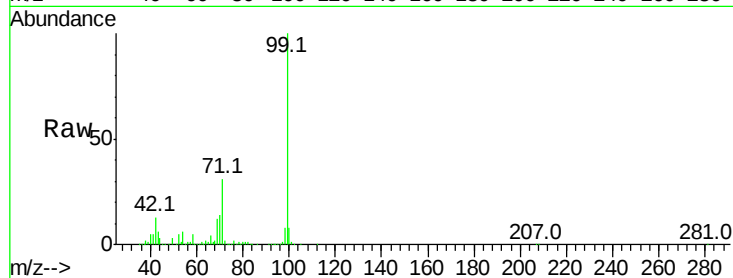
Instrument :

BNA_N

ClientSampled :

Tot Ion: 99 Resp: 5813812

Ion	Ratio	Lower	Upper
99	100		
42	13.4	14.1	21.1#
71	30.7	26.1	39.1



#19

n-Nitroso-di-n-propylamine

Concen: 12.436 ng

RT: 9.66 min Scan# 1134

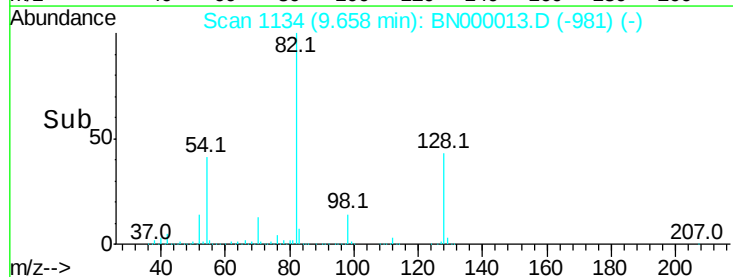
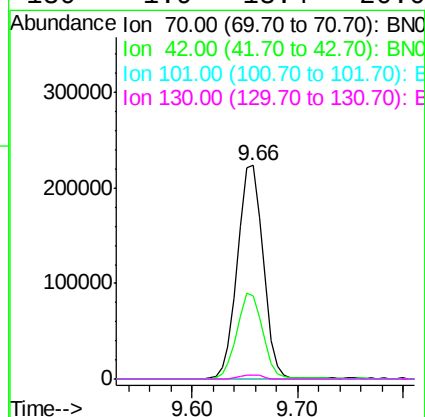
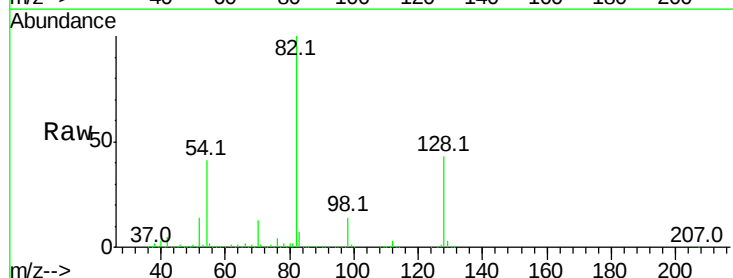
Delta R.T. 0.37 min

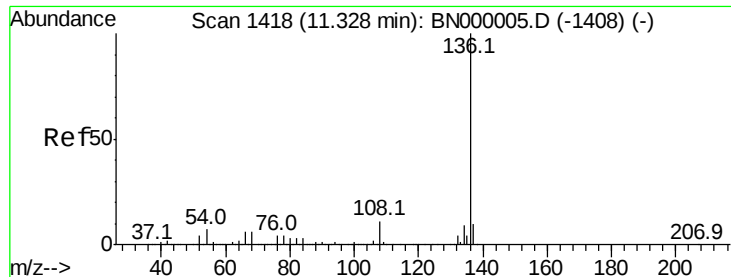
Lab File: BN000013.D

Acq: 05 Feb 2018 11:33

Tgt Ion: 70 Resp: 378812

Ion	Ratio	Lower	Upper
70	100		
42	38.9	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#

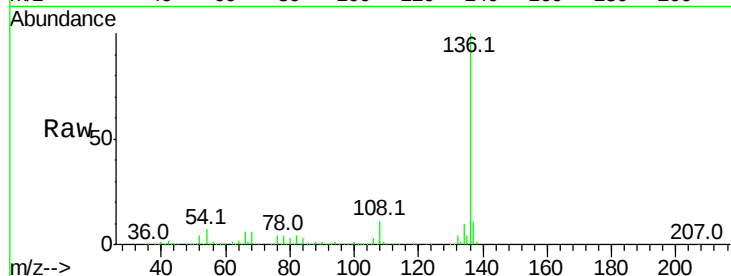




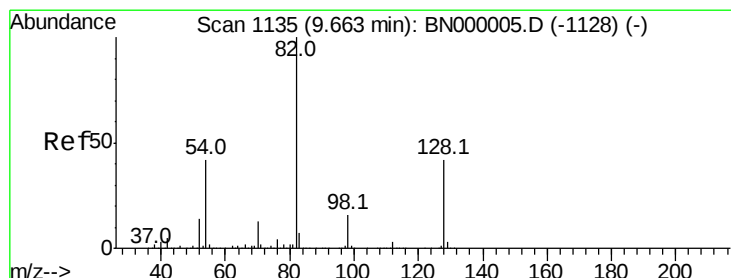
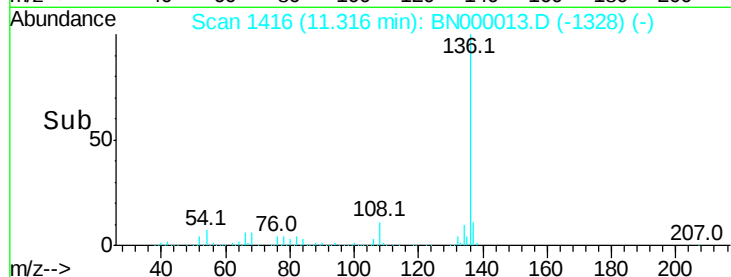
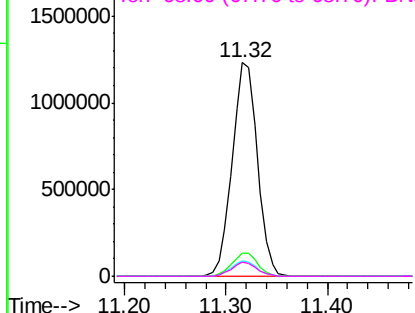
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.32 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BN000013.D
Acq: 05 Feb 2018 11:33

Instrument :
BNA_N
ClientSampleId :

Tot Ion:	136	Resp:	2119878
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.2	10.3	15.5#
68	6.4	4.5	6.7

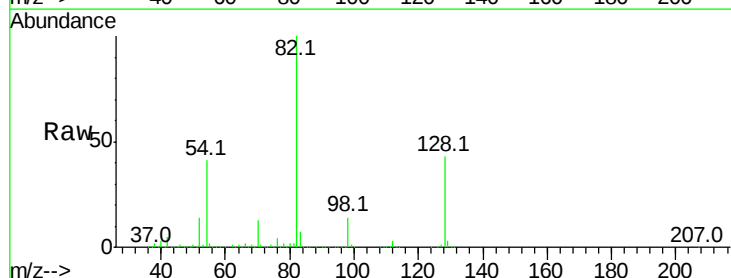


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

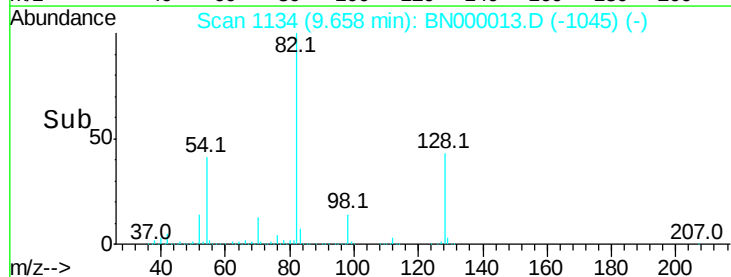
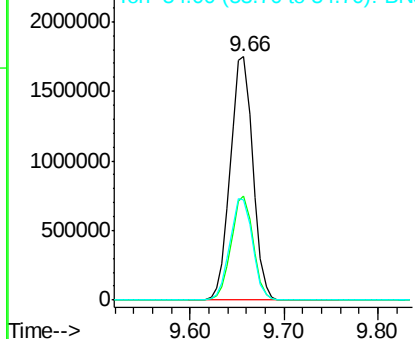


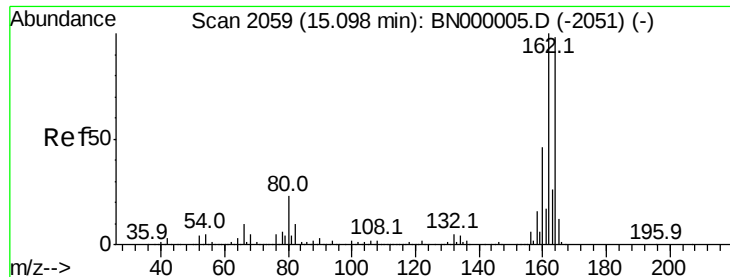
#23
Nitrobenzene-d5
Concen: 83.154 ng
RT: 9.66 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BN000013.D
Acq: 05 Feb 2018 11:33

Tgt Ion:	82	Resp:	2915152
Ion	Ratio	Lower	Upper
82	100		
128	42.9	29.7	44.5
54	41.0	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: 15.09 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BN000013.D

Acq: 05 Feb 2018 11:33

Instrument :

BNA_N

ClientSampleId :

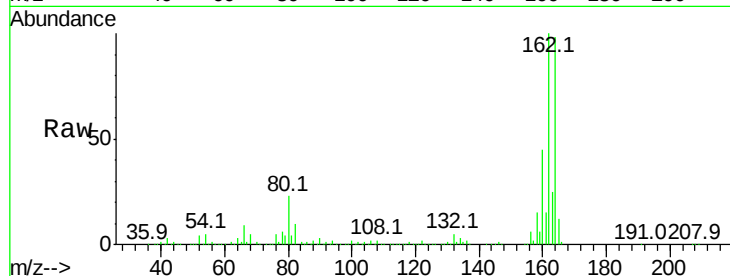
Tot Ion:164 Resp: 1275283

Ion Ratio Lower Upper

164 100

162 102.5 78.8 118.2

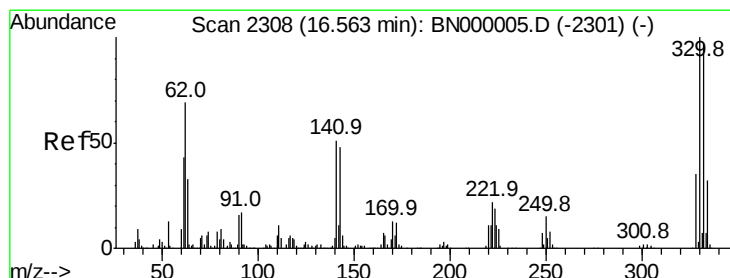
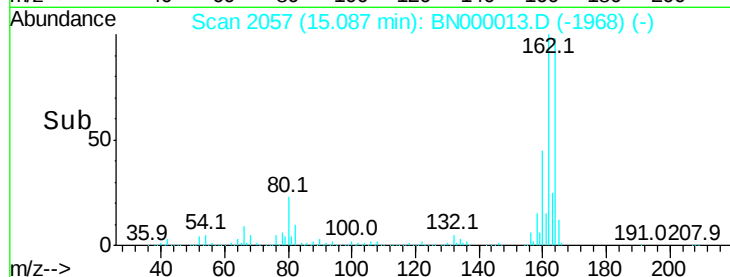
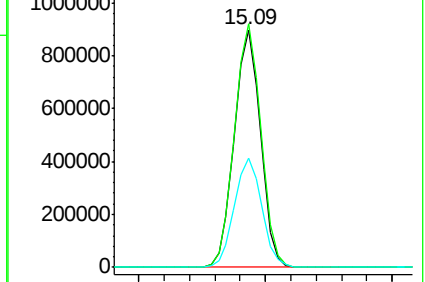
160 46.1 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 113.841 ng

RT: 16.56 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BN000013.D

Acq: 05 Feb 2018 11:33

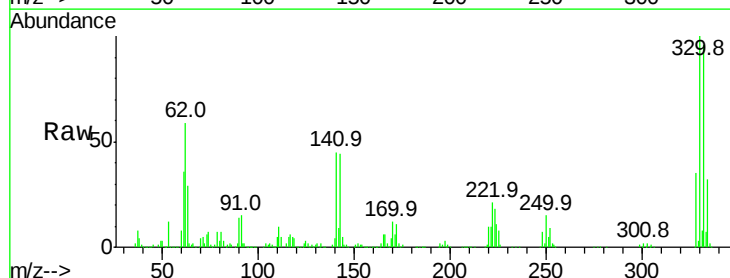
Tgt Ion:330 Resp: 1459431

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

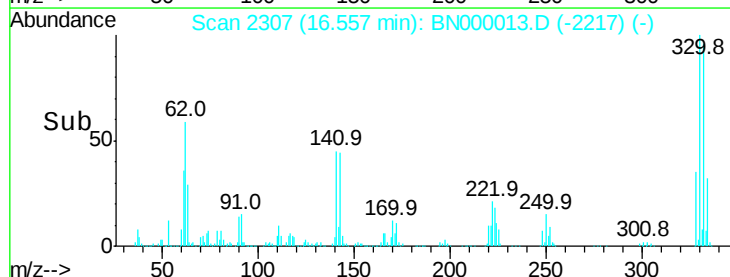
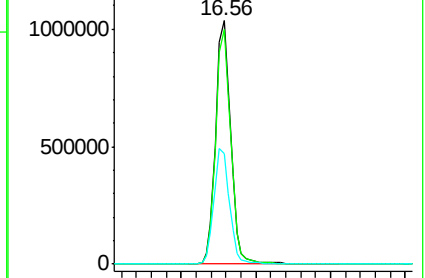
141 49.0 25.2 37.8#

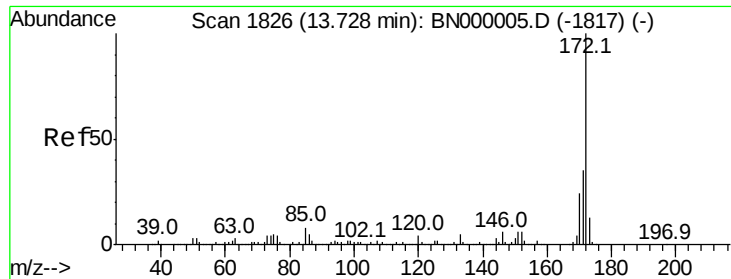


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



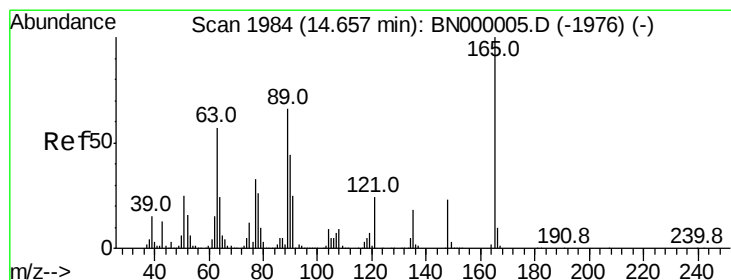
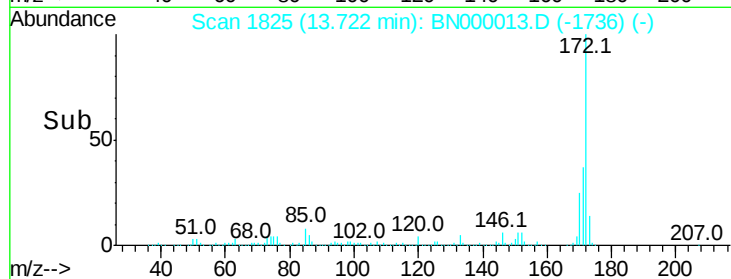
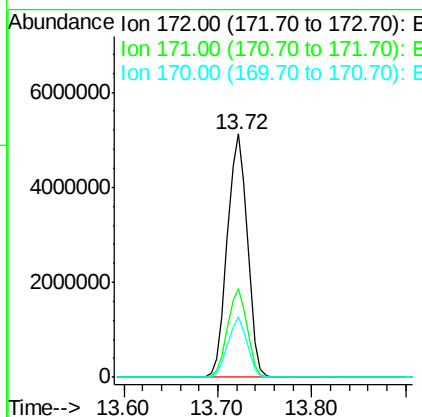
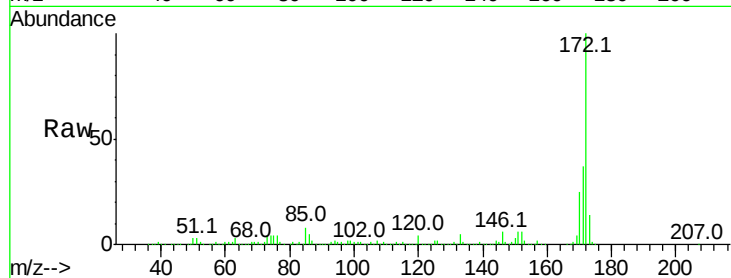


#44
 2-Fluorobiphenyl
 Concen: 79.754 ng
 RT: 13.72 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BN000013.D
 Acq: 05 Feb 2018 11:33

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 7594314

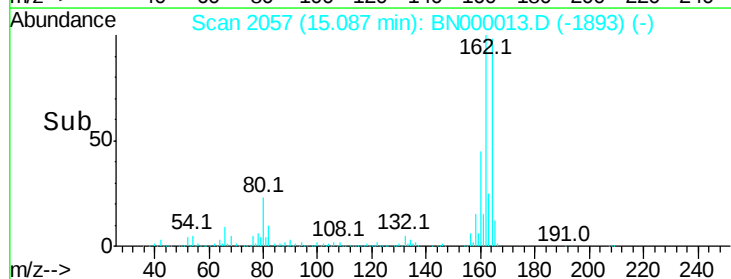
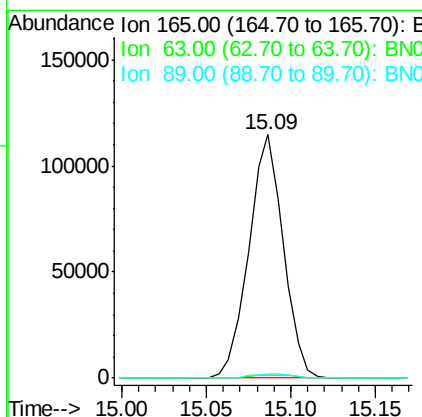
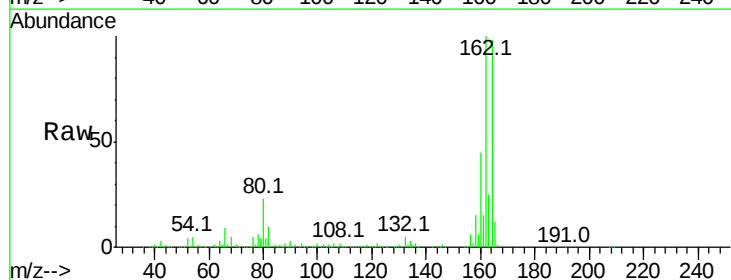
Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.0	45.0
170	24.6	19.5	29.3

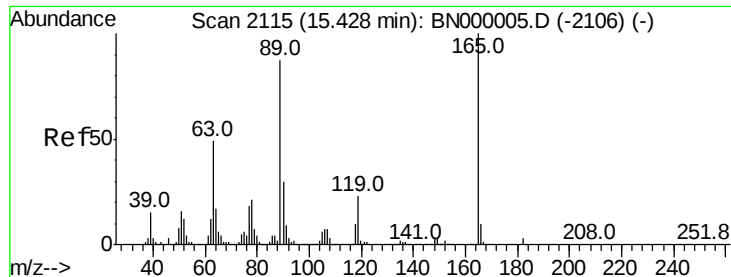


#50
 2,6-Dinitrotoluene
 Concen: 7.215 ng
 RT: 15.09 min Scan# 2057
 Delta R.T. 0.44 min
 Lab File: BN000013.D
 Acq: 05 Feb 2018 11:33

Tgt Ion:165 Resp: 162752

Ion	Ratio	Lower	Upper
165	100		
63	1.3	52.7	79.1#
89	1.9	49.2	73.8#

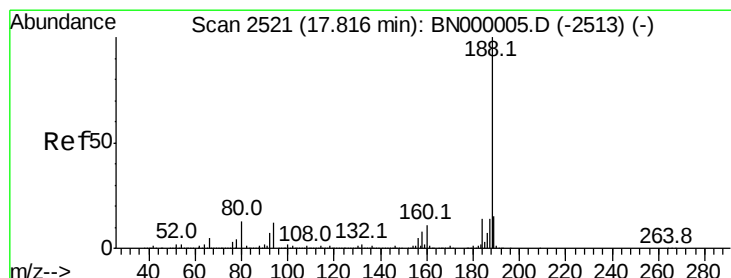
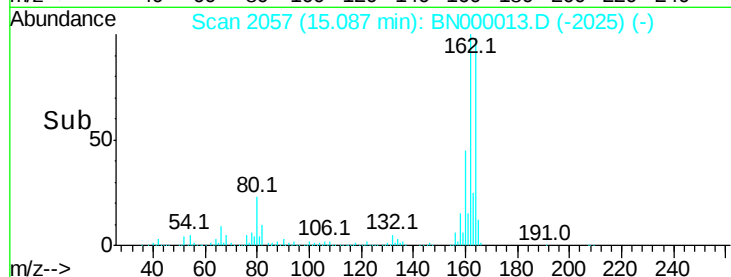
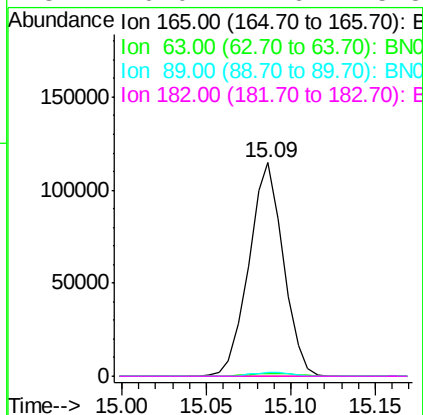
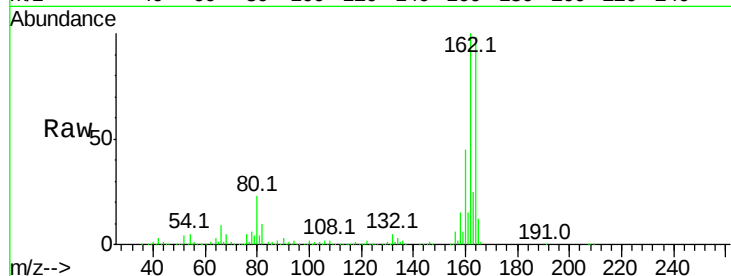




#56
 2,4-Dinitrotoluene
 Concen: 5.358 ng
 RT: 15.09 min Scan# 2057
 Delta R.T. -0.34 min
 Lab File: BN000013.D
 Acq: 05 Feb 2018 11:33

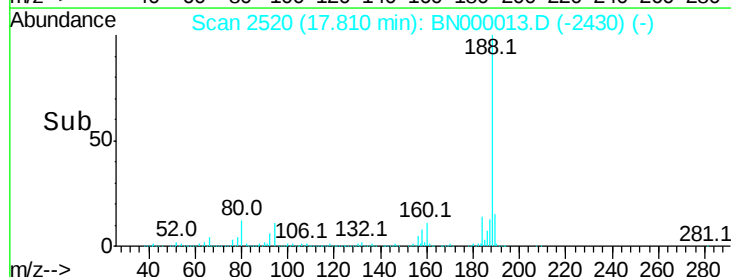
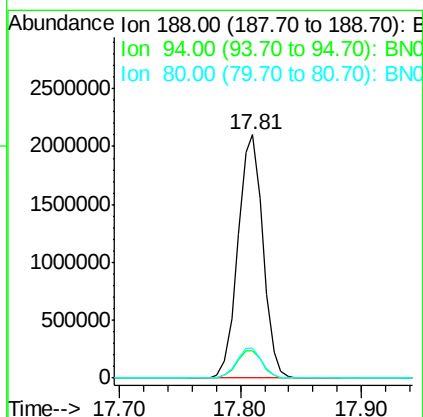
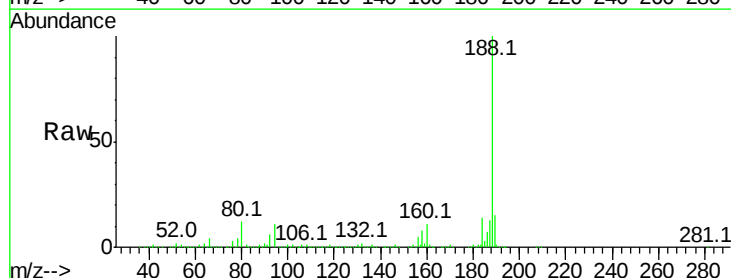
Instrument :
 BNA_N
 ClientSampleId :

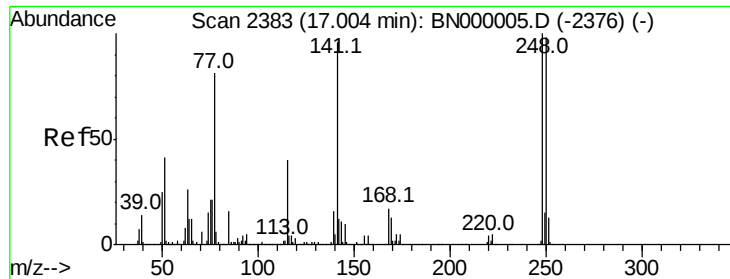
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	1.9	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.81 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: BN000013.D
 Acq: 05 Feb 2018 11:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	6.9	10.3#
80	12.2	7.7	11.5#

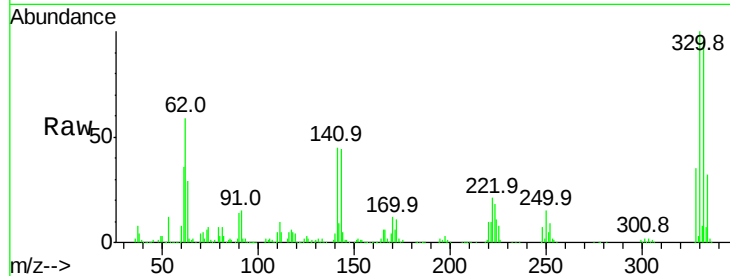




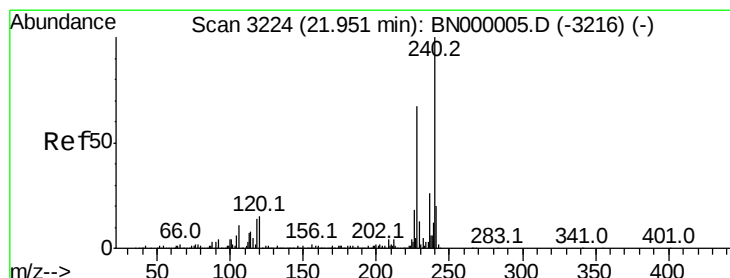
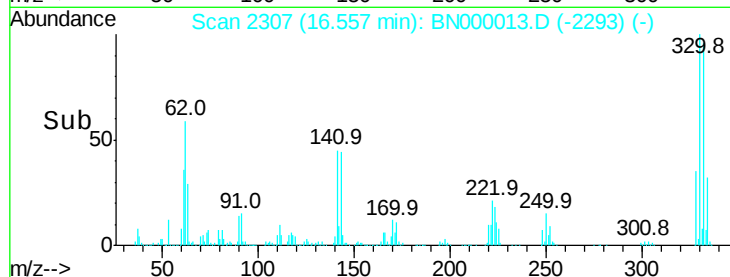
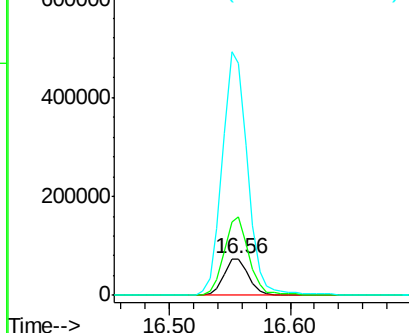
#66
 4-Bromophenyl-phenylether
 Concen: 3.763 ng
 RT: 16.56 min Scan# 2307
 Delta R.T. -0.45 min
 Lab File: BN000013.D
 Acq: 05 Feb 2018 11:33

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:248 Resp: 106643
 Ion Ratio Lower Upper
 248 100
 250 215.4 77.1 115.7#
 141 632.0 50.8 76.2#

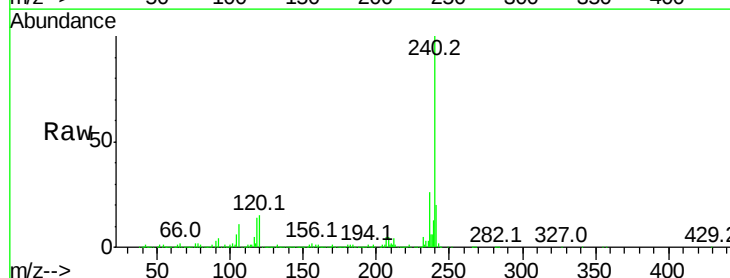


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

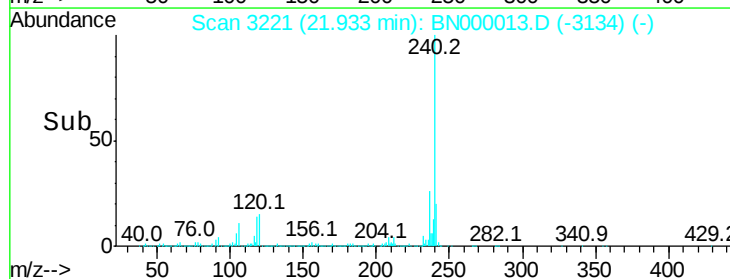
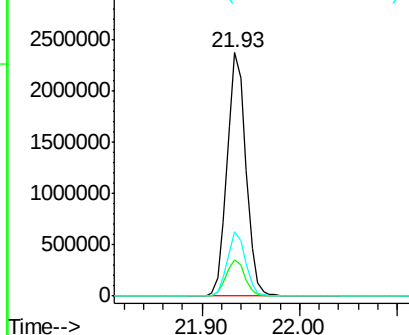


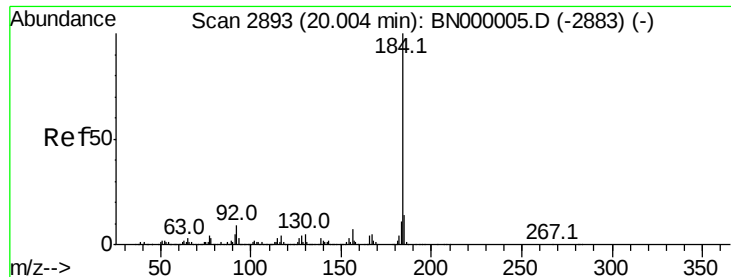
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.93 min Scan# 3221
 Delta R.T. -0.02 min
 Lab File: BN000013.D
 Acq: 05 Feb 2018 11:33

Tgt Ion:240 Resp: 3186281
 Ion Ratio Lower Upper
 240 100
 120 14.9 6.8 10.2#
 236 26.3 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

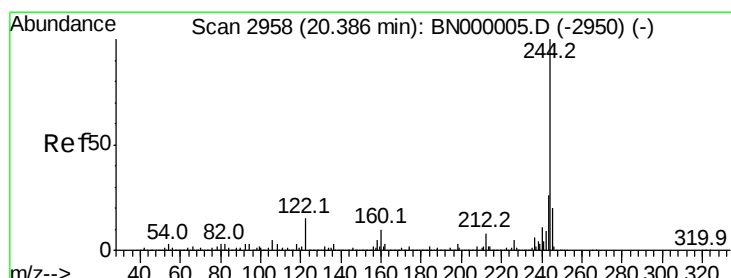
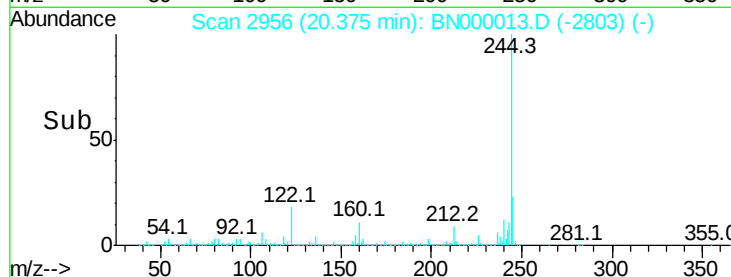
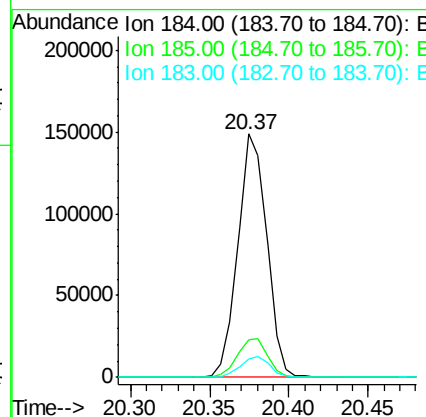
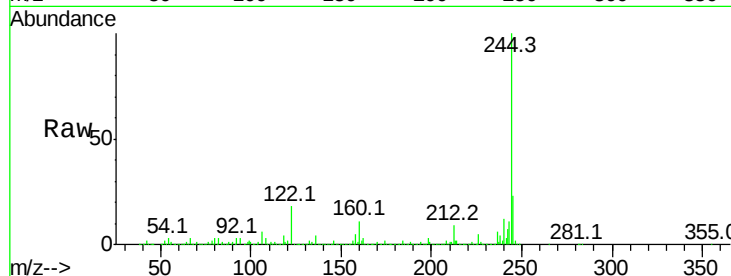




#76
Benzidine
Concen: 2.331 ng
RT: 20.37 min Scan# 2956
Delta R.T. 0.37 min
Lab File: BN000013.D
Acq: 05 Feb 2018 11:33

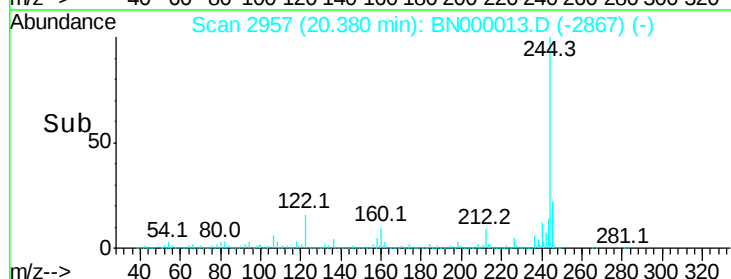
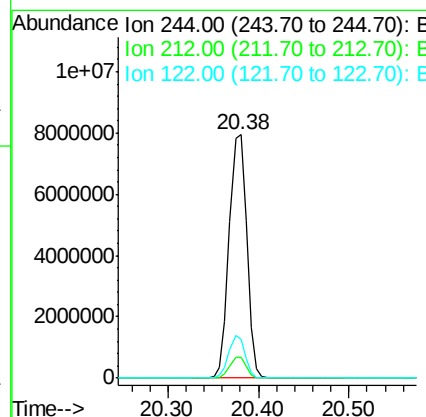
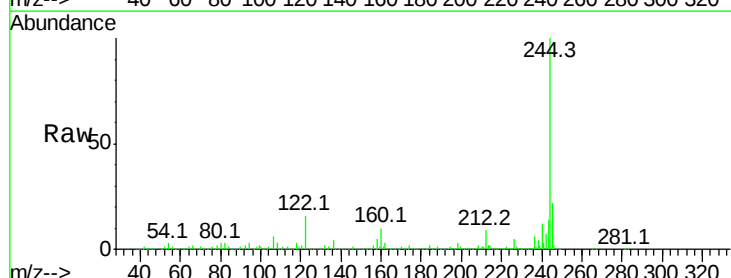
Instrument :
BNA_N
ClientSampleId :

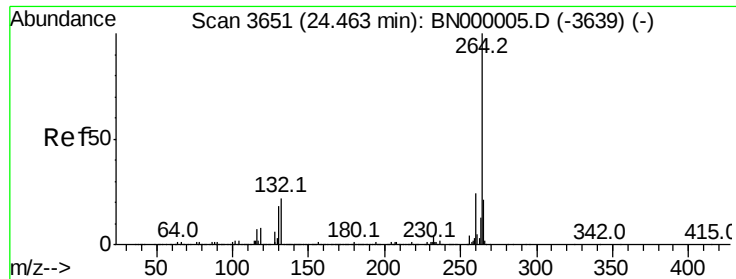
Tot Ion:184 Resp: 188001
Ion Ratio Lower Upper
184 100
185 15.6 11.1 16.7
183 7.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 89.132 ng
RT: 20.38 min Scan# 2957
Delta R.T. -0.00 min
Lab File: BN000013.D
Acq: 05 Feb 2018 11:33

Tgt Ion:244 Resp:10759828
Ion Ratio Lower Upper
244 100
212 8.6 5.8 8.8
122 15.9 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.43 min Scan# 3646
 Delta R.T. -0.02 min
 Lab File: BN000013.D
 Acq: 05 Feb 2018 11:33

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 264 Resp: 3384993

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.0	17.7	26.5

