

Data Path : U:\HPCHEM1\BNA N\DATA\BN020518\
 Data File : BN000012.D
 Acq On : 05 Feb 2018 10:58
 Operator :
 Sample : PB106268BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 05:20:11 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

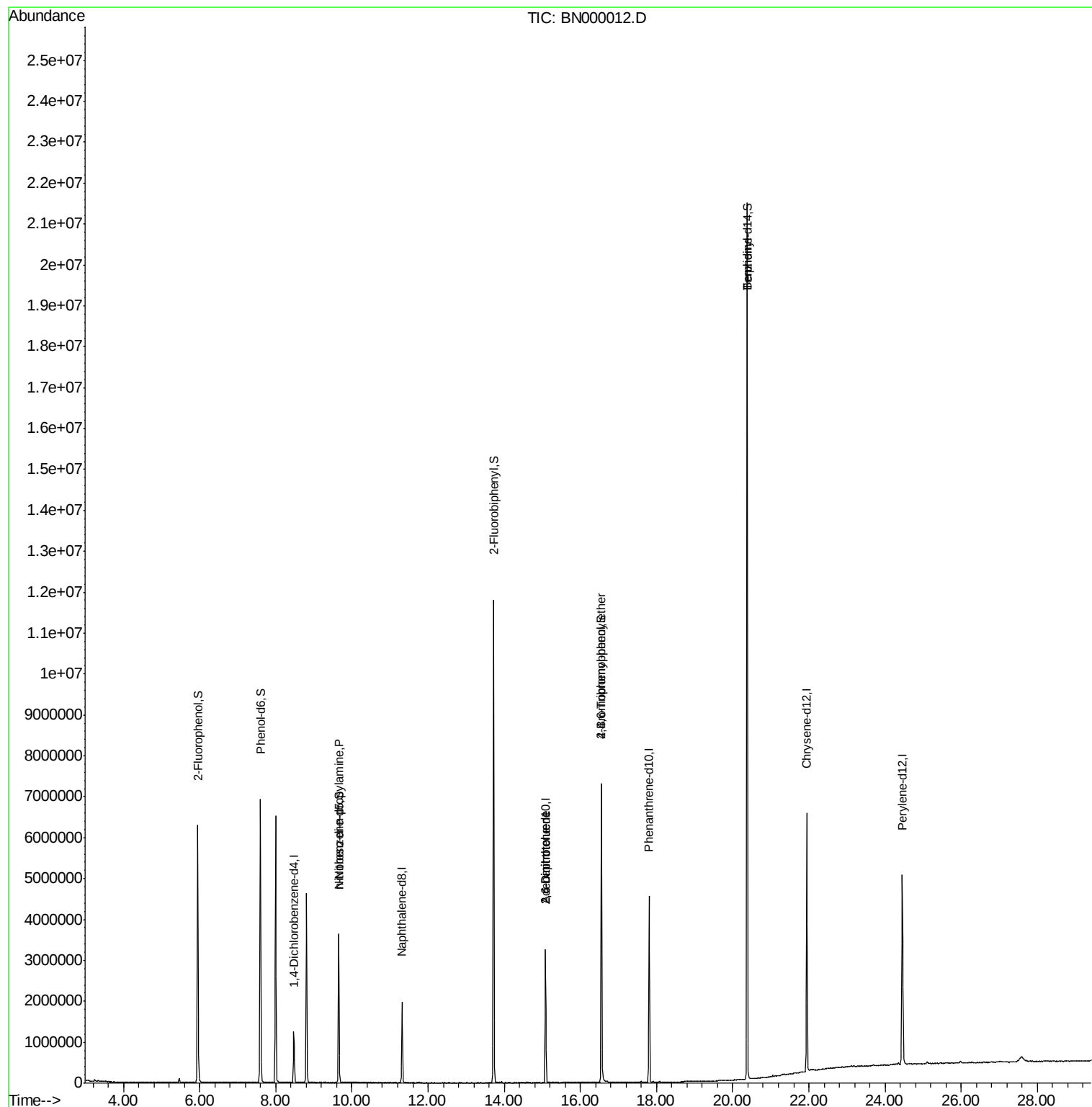
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	342907	20.00	ng	0.00
21) Naphthalene-d8	11.32	136	1690692	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	1029305	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	2520544	20.00	ng	0.00
75) Chrysene-d12	21.94	240	2864824	20.00	ng	0.00
86) Perylene-d12	24.46	264	3119189	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.95	112	3200920	137.63	ng	0.00
7) Phenol-d6	7.60	99	4434619	125.53	ng	0.00
23) Nitrobenzene-d5	9.66	82	2182290	78.05	ng	0.00
41) 2,4,6-Tribromophenol	16.56	330	1113303	107.60	ng	0.00
44) 2-Fluorobiphenyl	13.72	172	5812969	75.64	ng	0.00
78) Terphenyl-d14	20.38	244	9208681	84.84	ng	0.00
Target Compounds						
9) Benzaldehyde	7.60	77	8364	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.66	70	283277	11.900 ng	#	12
50) 2,6-Dinitrotoluene	15.09	165	132414	7.273 ng	#	71
56) 2,4-Dinitrotoluene	15.09	165	132414	5.401 ng	#	20
66) 4-Bromophenyl-phenylether	16.56	248	82321	3.490 ng	#	18
76) Benzidine	20.37	184	160267	2.210 ng	#	1
					#	91

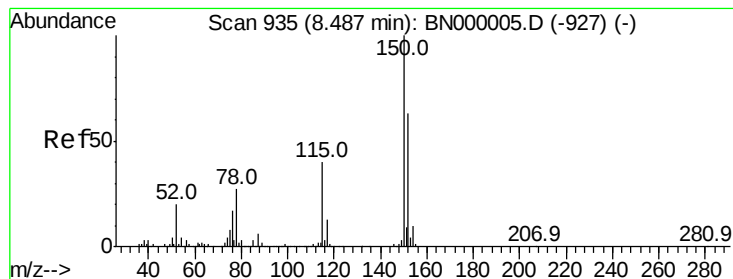
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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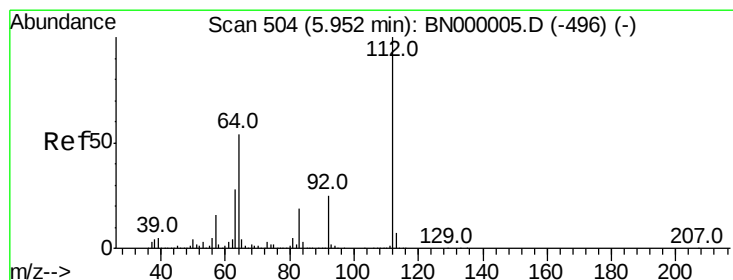
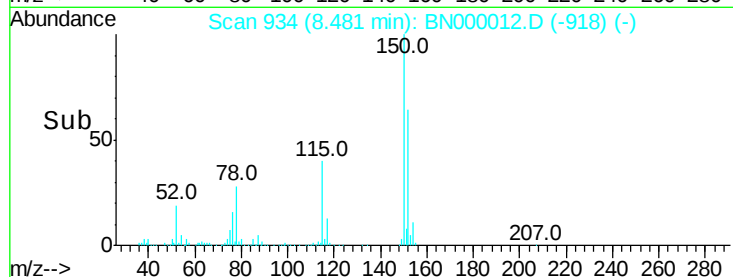
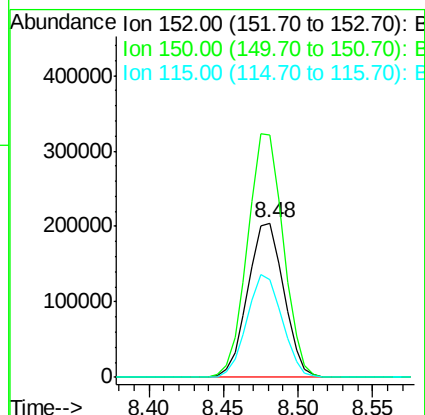
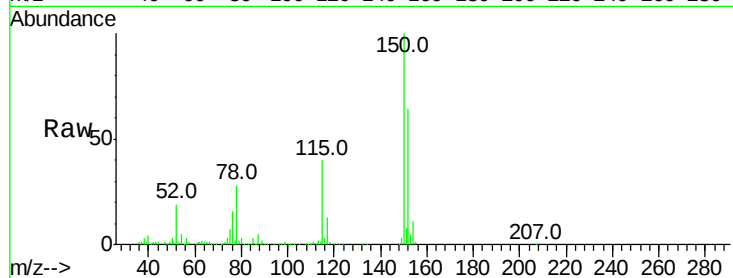


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.48 min Scan# 934
Delta R.T. -0.01 min
Lab File: BN000012.D
Acq: 05 Feb 2018 10:58

Instrument :
BNA_N
ClientSampleId :

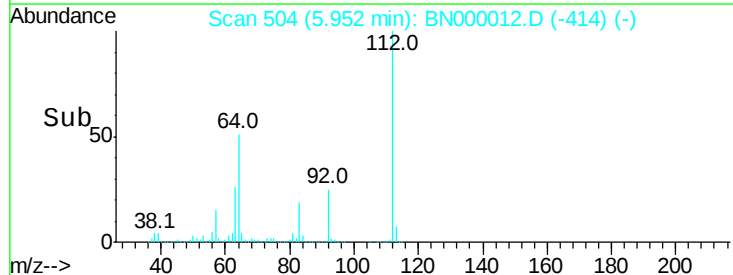
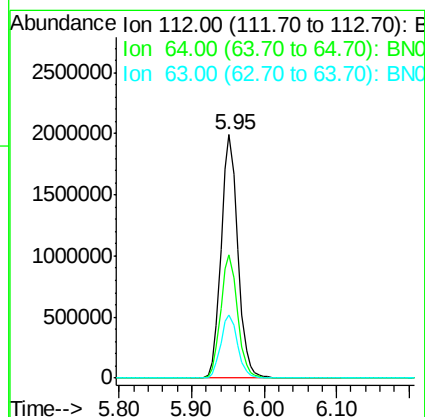
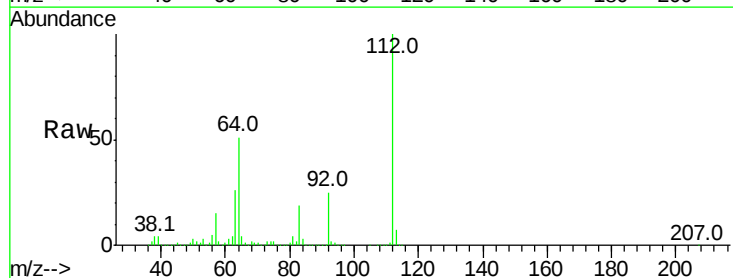
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.6	189.8
115	63.2	53.0	79.4

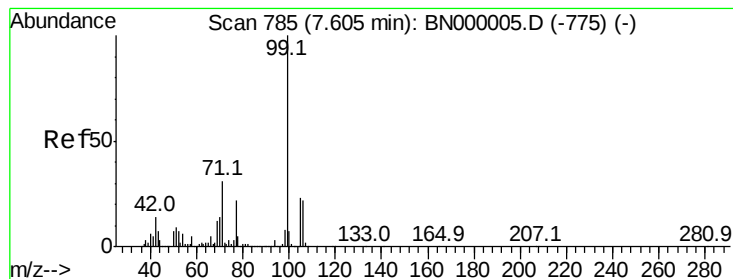


#5

2-Fluorophenol
Concen: 137.633 ng
RT: 5.95 min Scan# 504
Delta R.T. -0.00 min
Lab File: BN000012.D
Acq: 05 Feb 2018 10:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	56.3	84.5#
63	26.0	30.1	45.1#





#7

Phenol-d6

Concen: 125.534 ng

RT: 7.60 min Scan# 784

Delta R.T. -0.00 min

Lab File: BN000012.D

Acq: 05 Feb 2018 10:58

Instrument :

BNA_N

ClientSampleId :

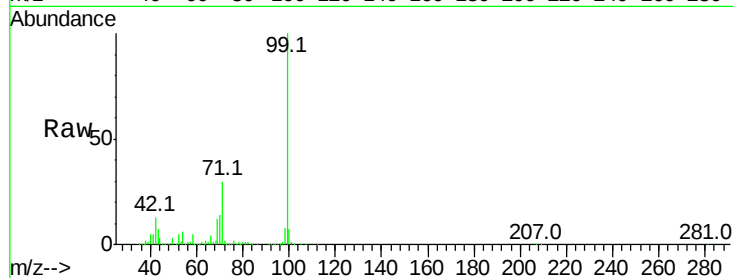
Tot Ion: 99 Resp: 4434619

Ion Ratio Lower Upper

99 100

42 13.4 14.1 21.1#

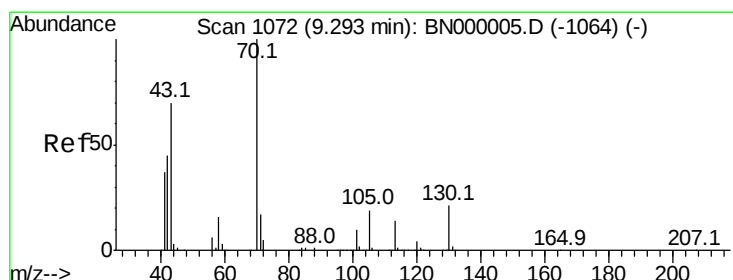
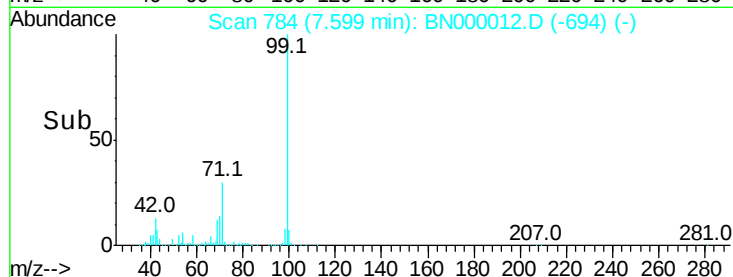
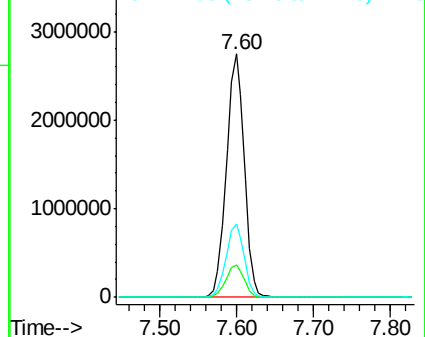
71 30.0 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN000005.D (-775) (-)

Ion 42.00 (41.70 to 42.70): BN000005.D (-775) (-)

Ion 71.00 (70.70 to 71.70): BN000005.D (-775) (-)



#19

n-Nitroso-di-n-propylamine

Concen: 11.900 ng

RT: 9.66 min Scan# 1134

Delta R.T. 0.37 min

Lab File: BN000012.D

Acq: 05 Feb 2018 10:58

Tgt Ion: 70 Resp: 283277

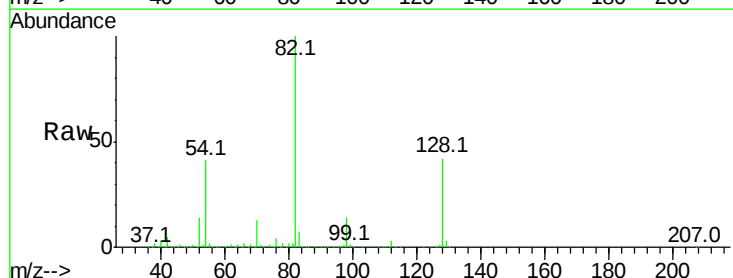
Ion Ratio Lower Upper

70 100

42 39.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

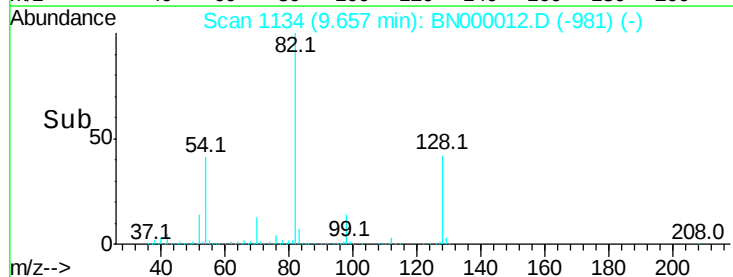
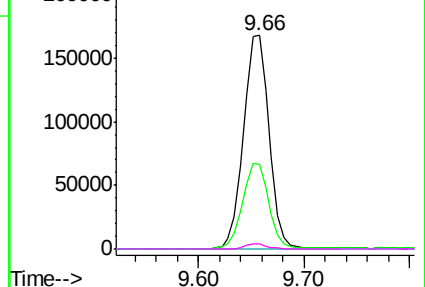


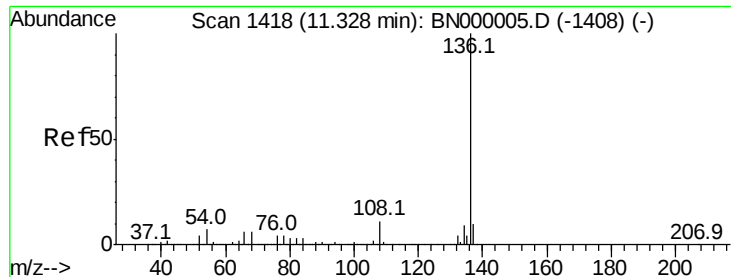
Abundance Ion 70.00 (69.70 to 70.70): BN000005.D (-1064) (-)

Ion 42.00 (41.70 to 42.70): BN000005.D (-1064) (-)

Ion 101.00 (100.70 to 101.70): BN000005.D (-1064) (-)

Ion 130.00 (129.70 to 130.70): BN000005.D (-1064) (-)

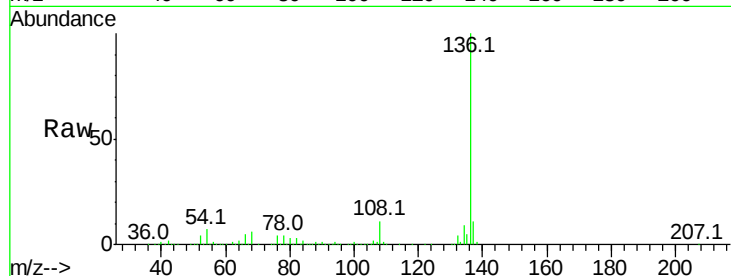




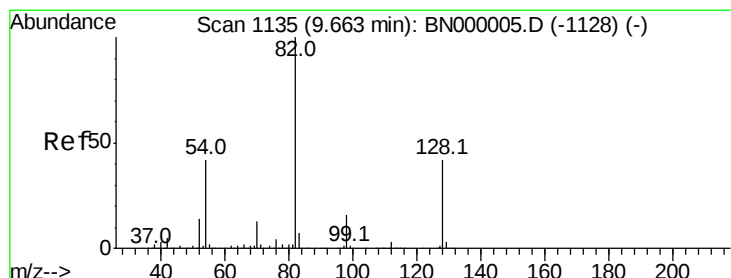
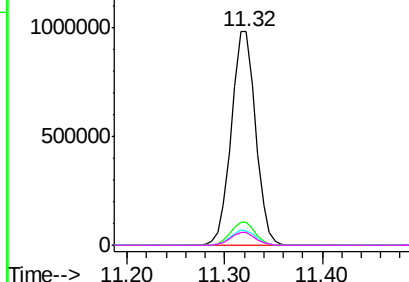
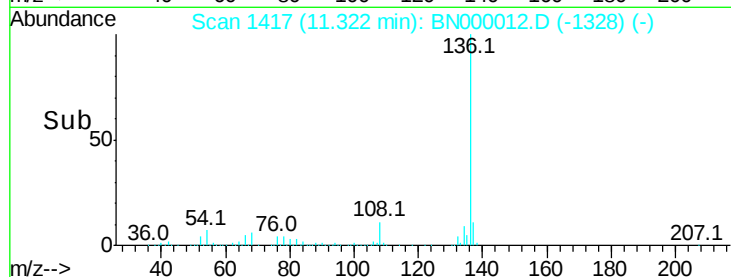
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.32 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BN000012.D
Acq: 05 Feb 2018 10:58

Instrument :
BNA_N
ClientSampled :

Tot Ion:	136	Resp:	1690692
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.8	10.3	15.5#
68	6.2	4.5	6.7

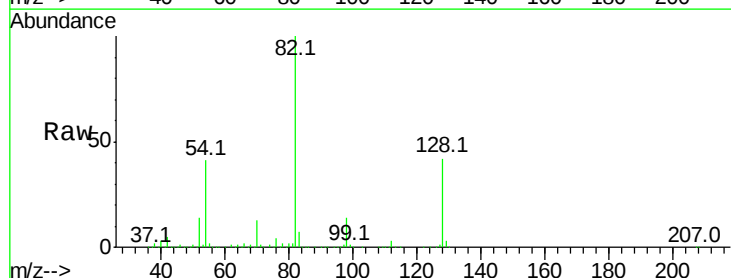


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

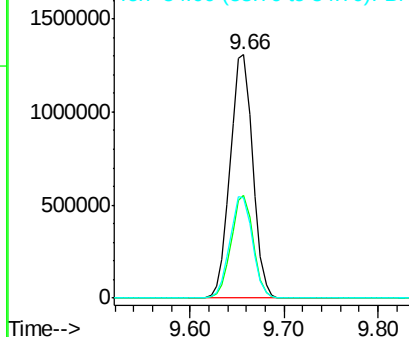
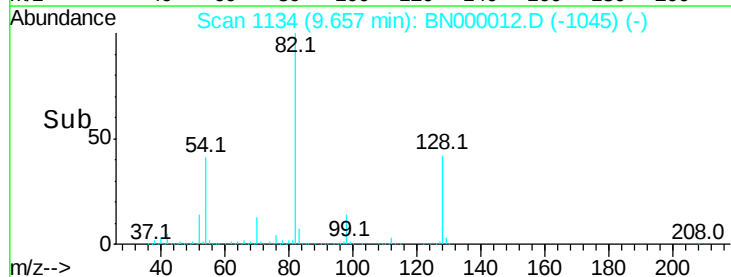


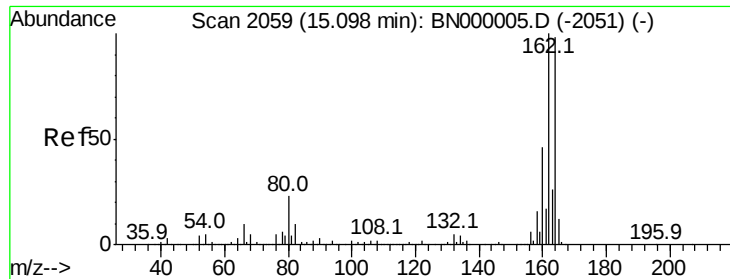
#23
Nitrobenzene-d5
Concen: 78.051 ng
RT: 9.66 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BN000012.D
Acq: 05 Feb 2018 10:58

Tgt Ion:	82	Resp:	2182290
Ion	Ratio	Lower	Upper
82	100		
128	42.4	29.7	44.5
54	41.4	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: BN000012.D

Acq: 05 Feb 2018 10:58

Instrument :

BNA_N

ClientSampled :

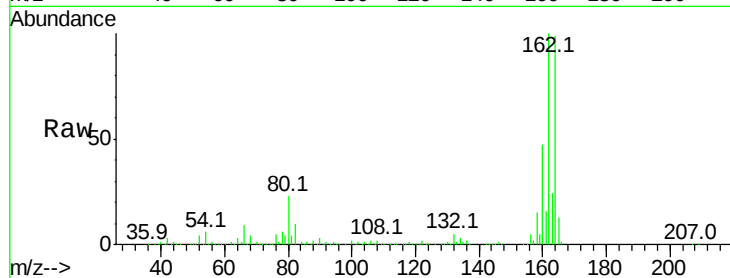
Tot Ion:164 Resp: 1029305

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

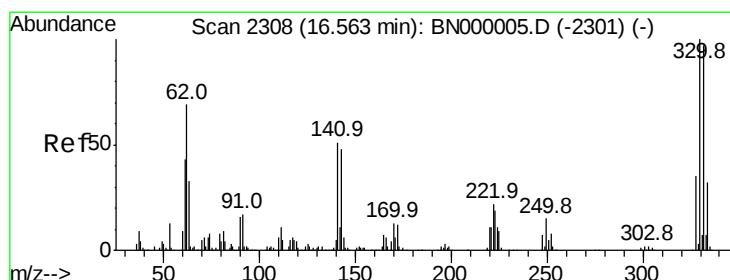
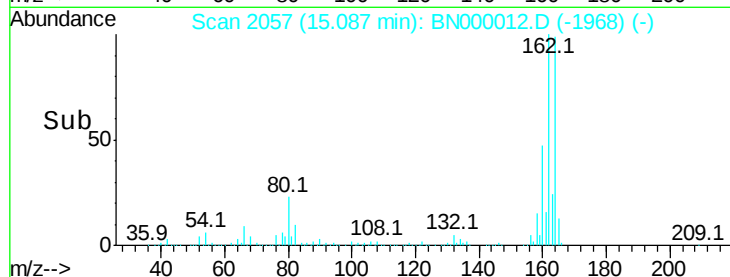
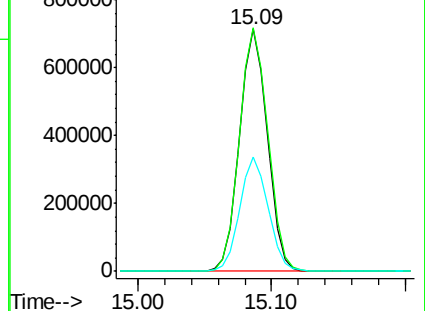
160 47.0 35.4 53.0



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: 107.595 ng

RT: 16.56 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BN000012.D

Acq: 05 Feb 2018 10:58

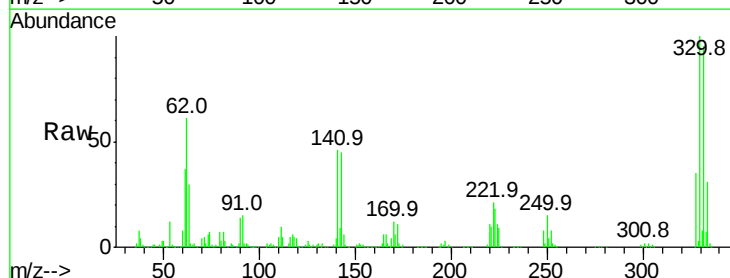
Tgt Ion:330 Resp: 1113303

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

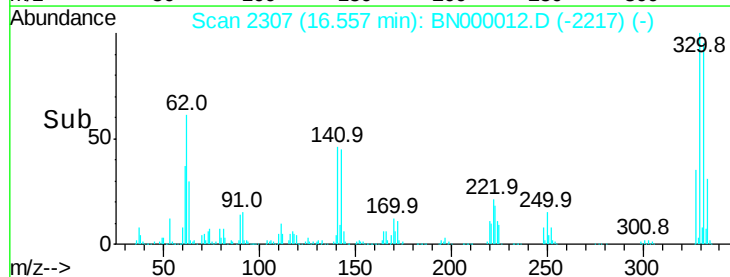
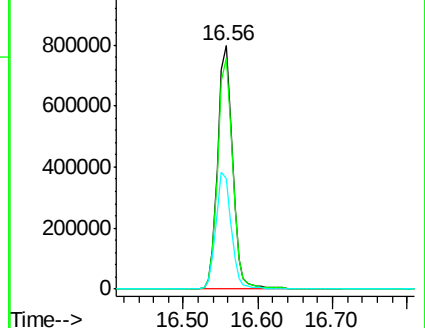
141 49.4 25.2 37.8#

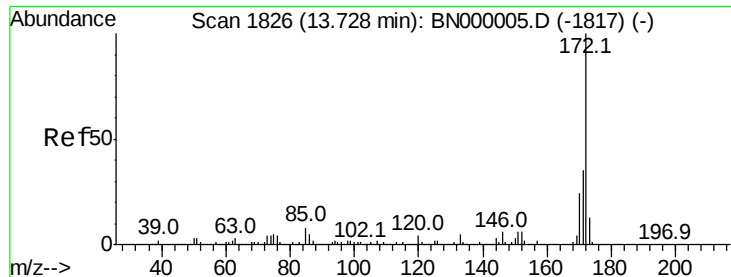


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

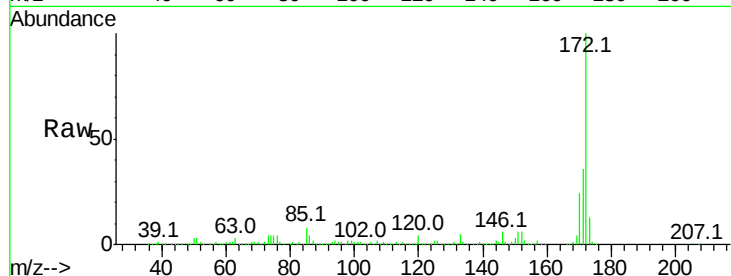




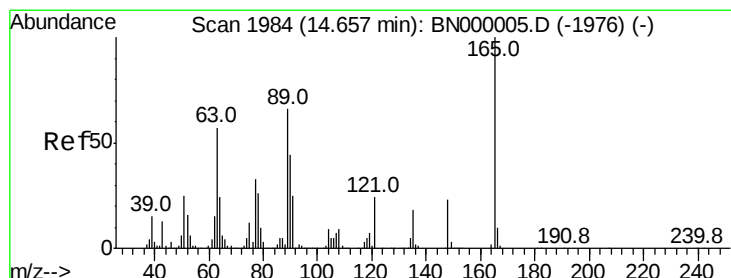
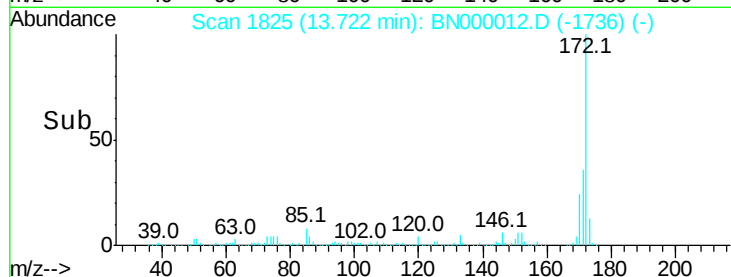
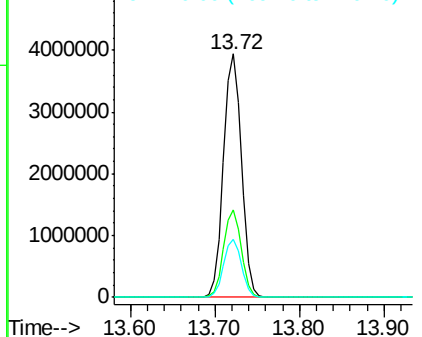
#44
2-Fluorobiphenyl
Concen: 75.635 ng
RT: 13.72 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BN000012.D
Acq: 05 Feb 2018 10:58

Instrument :
BNA_N
ClientSampled :

Tot Ion:172 Resp: 5812969
Ion Ratio Lower Upper
172 100
171 35.8 30.0 45.0
170 24.0 19.5 29.3

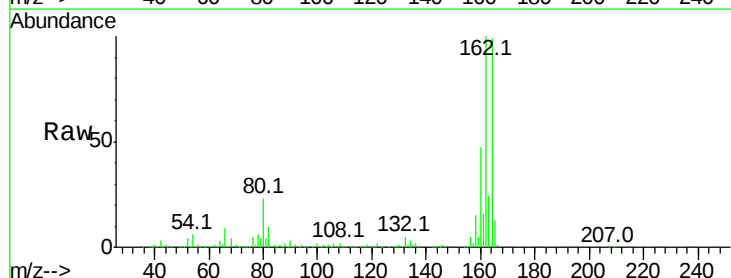


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

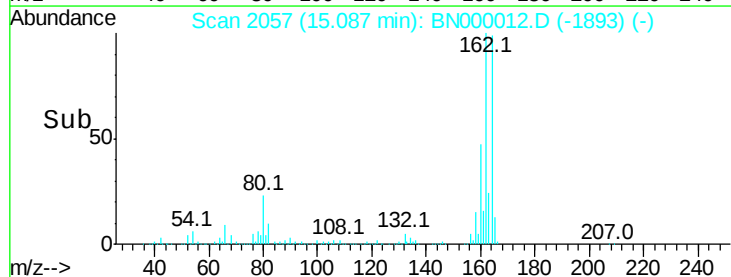
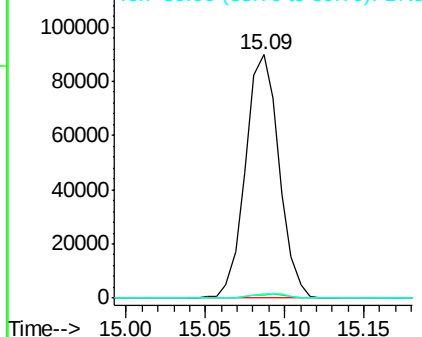


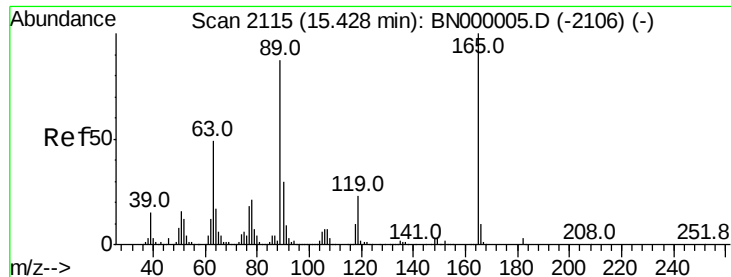
#50
2,6-Dinitrotoluene
Concen: 7.273 ng
RT: 15.09 min Scan# 2057
Delta R.T. 0.44 min
Lab File: BN000012.D
Acq: 05 Feb 2018 10:58

Tgt Ion:165 Resp: 132414
Ion Ratio Lower Upper
165 100
63 1.0 52.7 79.1#
89 1.7 49.2 73.8#



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





#56

2,4-Dinitrotoluene

Concen: 5.401 ng

RT: 15.09 min Scan# 2057

Delta R.T. -0.34 min

Lab File: BN000012.D

Acq: 05 Feb 2018 10:58

Instrument :

BNA_N

ClientSampleId :

Tot Ion:165 Resp: 132414

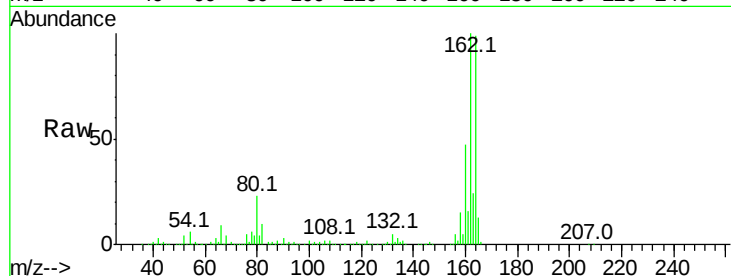
Ion Ratio Lower Upper

165 100

63 1.0 42.0 63.0#

89 1.7 66.9 100.3#

182 0.0 2.6 3.8#

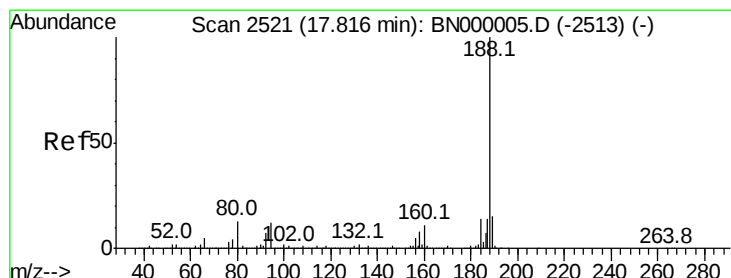
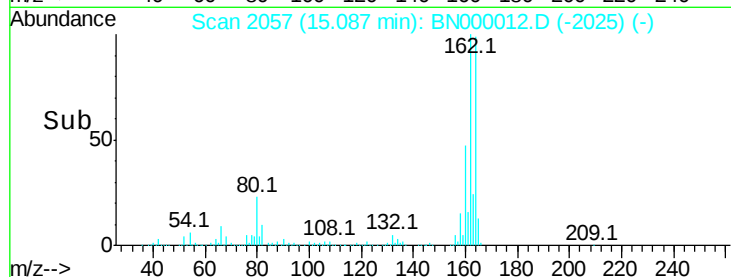
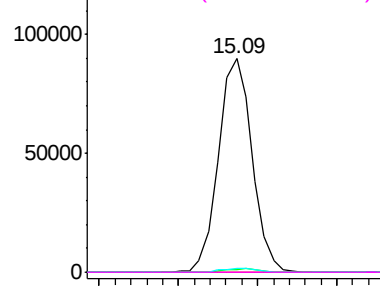


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.81 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BN000012.D

Acq: 05 Feb 2018 10:58

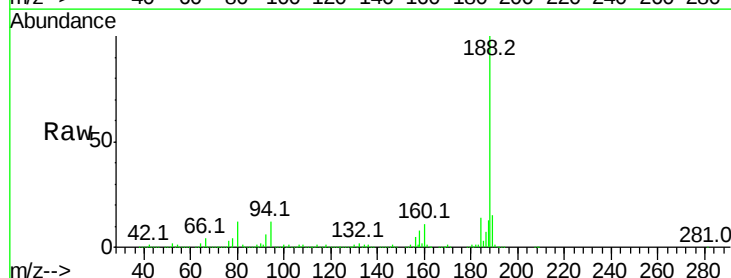
Tgt Ion:188 Resp: 2520544

Ion Ratio Lower Upper

188 100

94 11.6 6.9 10.3#

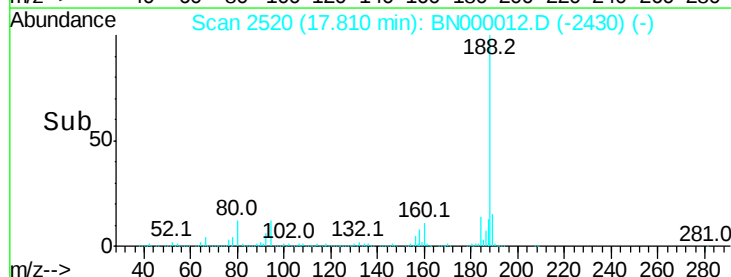
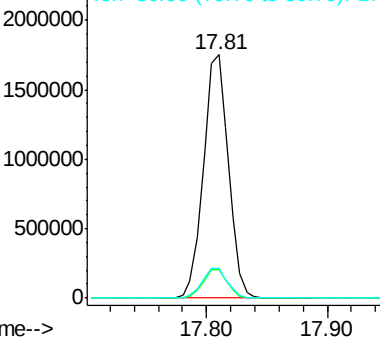
80 12.1 7.7 11.5#

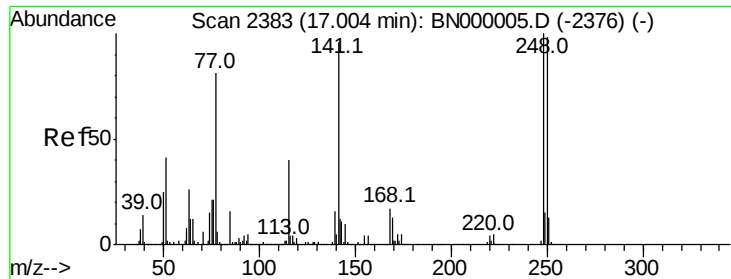


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

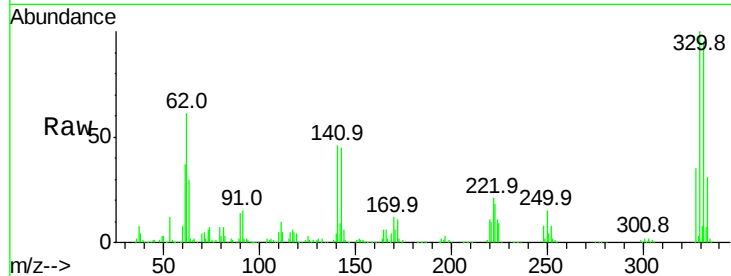




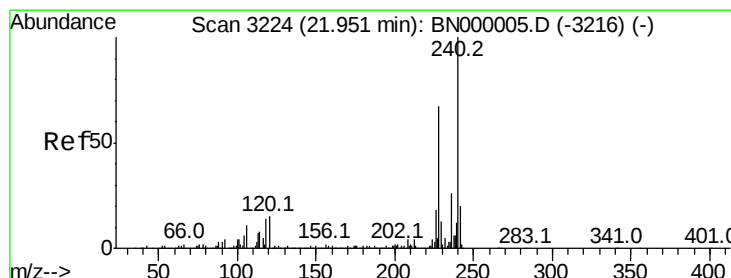
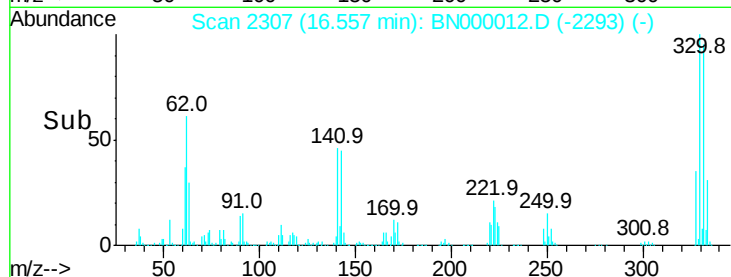
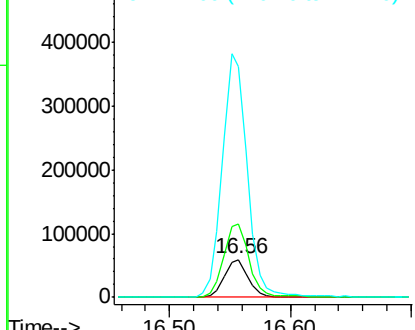
#66
 4-Bromophenyl-phenylether
 Concen: 3.490 ng
 RT: 16.56 min Scan# 2307
 Delta R.T. -0.45 min
 Lab File: BN000012.D
 Acq: 05 Feb 2018 10:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:248 Resp: 82321
 Ion Ratio Lower Upper
 248 100
 250 193.5 77.1 115.7#
 141 605.6 50.8 76.2#

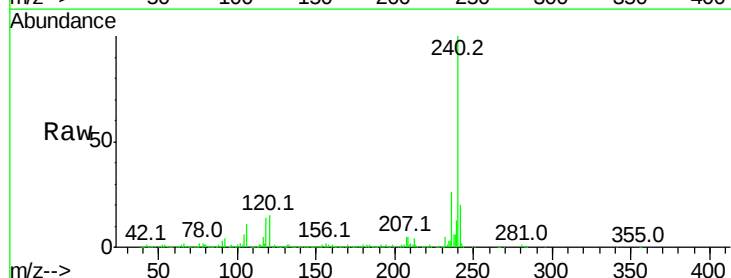


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

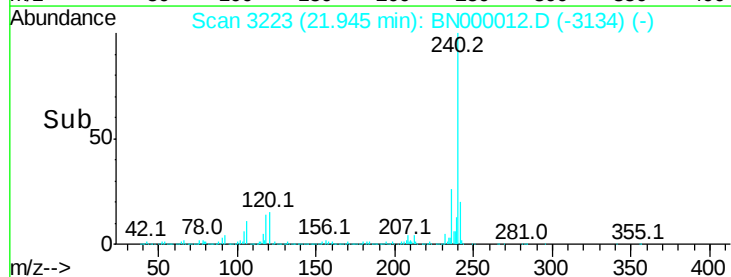
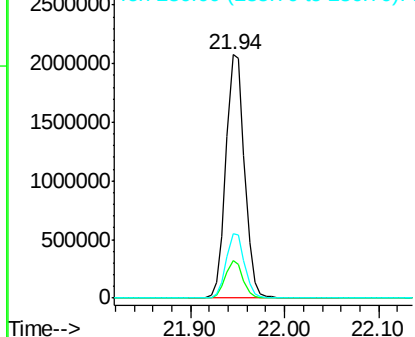


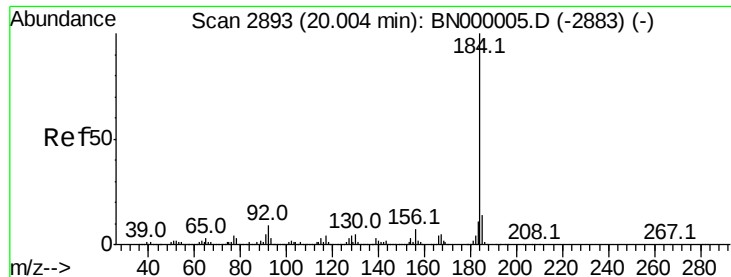
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.94 min Scan# 3223
 Delta R.T. -0.01 min
 Lab File: BN000012.D
 Acq: 05 Feb 2018 10:58

Tgt Ion:240 Resp: 2864824
 Ion Ratio Lower Upper
 240 100
 120 15.2 6.8 10.2#
 236 26.5 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: 2.210 ng

RT: 20.37 min Scan# 2956

Delta R.T. 0.37 min

Lab File: BN000012.D

Acq: 05 Feb 2018 10:58

Instrument :

BNA_N

ClientSampleId :

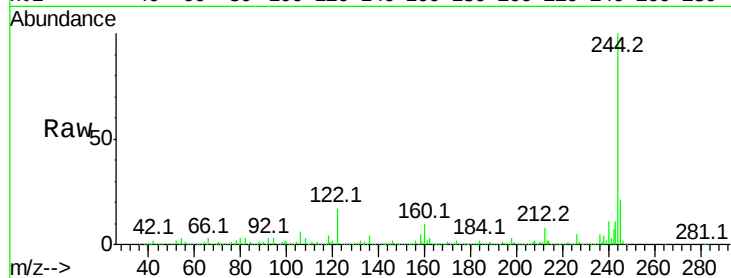
Tot Ion:184 Resp: 160267

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

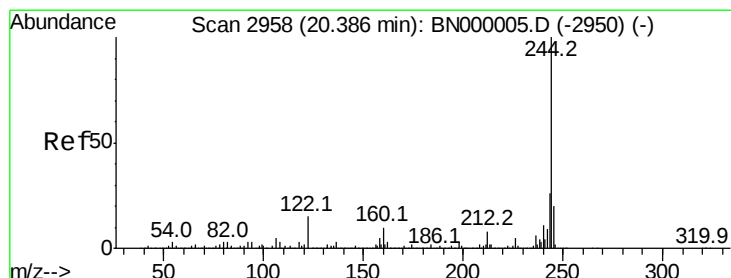
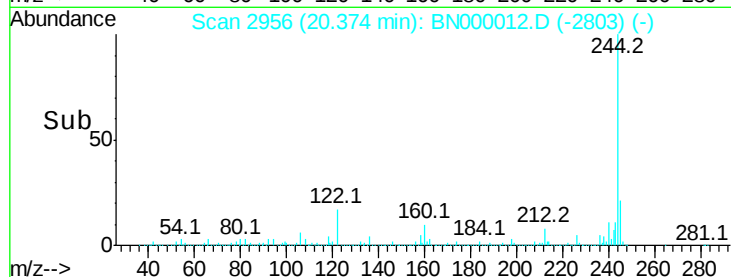
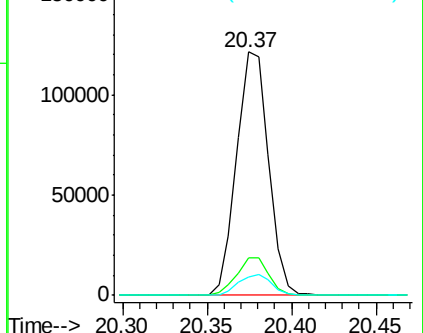
183 7.4 10.6 16.0#



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: 84.842 ng

RT: 20.38 min Scan# 2957

Delta R.T. -0.00 min

Lab File: BN000012.D

Acq: 05 Feb 2018 10:58

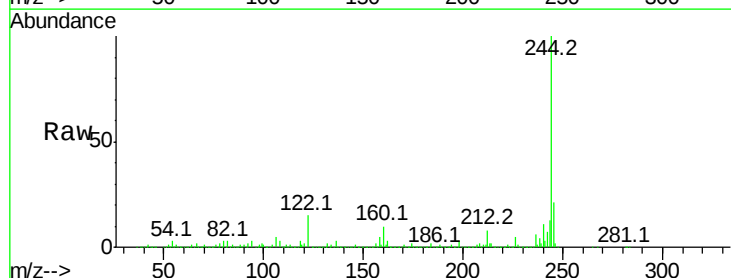
Tgt Ion:244 Resp: 9208681

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

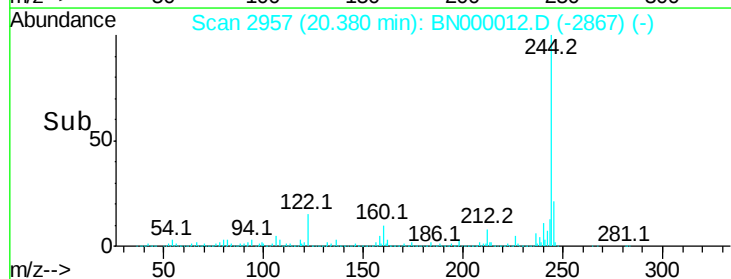
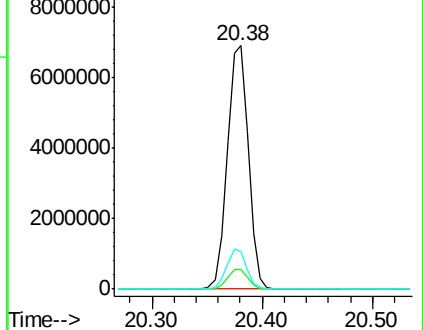
122 15.4 7.0 10.4#

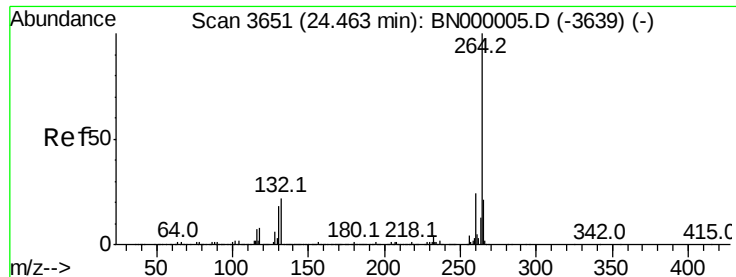


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.46 min Scan# 3650
Delta R.T. -0.00 min
Lab File: BN000012.D
Acq: 05 Feb 2018 10:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion: 264 Resp: 3119189

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.8	17.7	26.5

