

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040919\
 Data File : BN005116.D
 Acq On : 09 Apr 2019 17:15
 Operator : JU/SJ
 Sample : PB118726BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 10 01:16:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 2019
 Response via : Initial Calibration

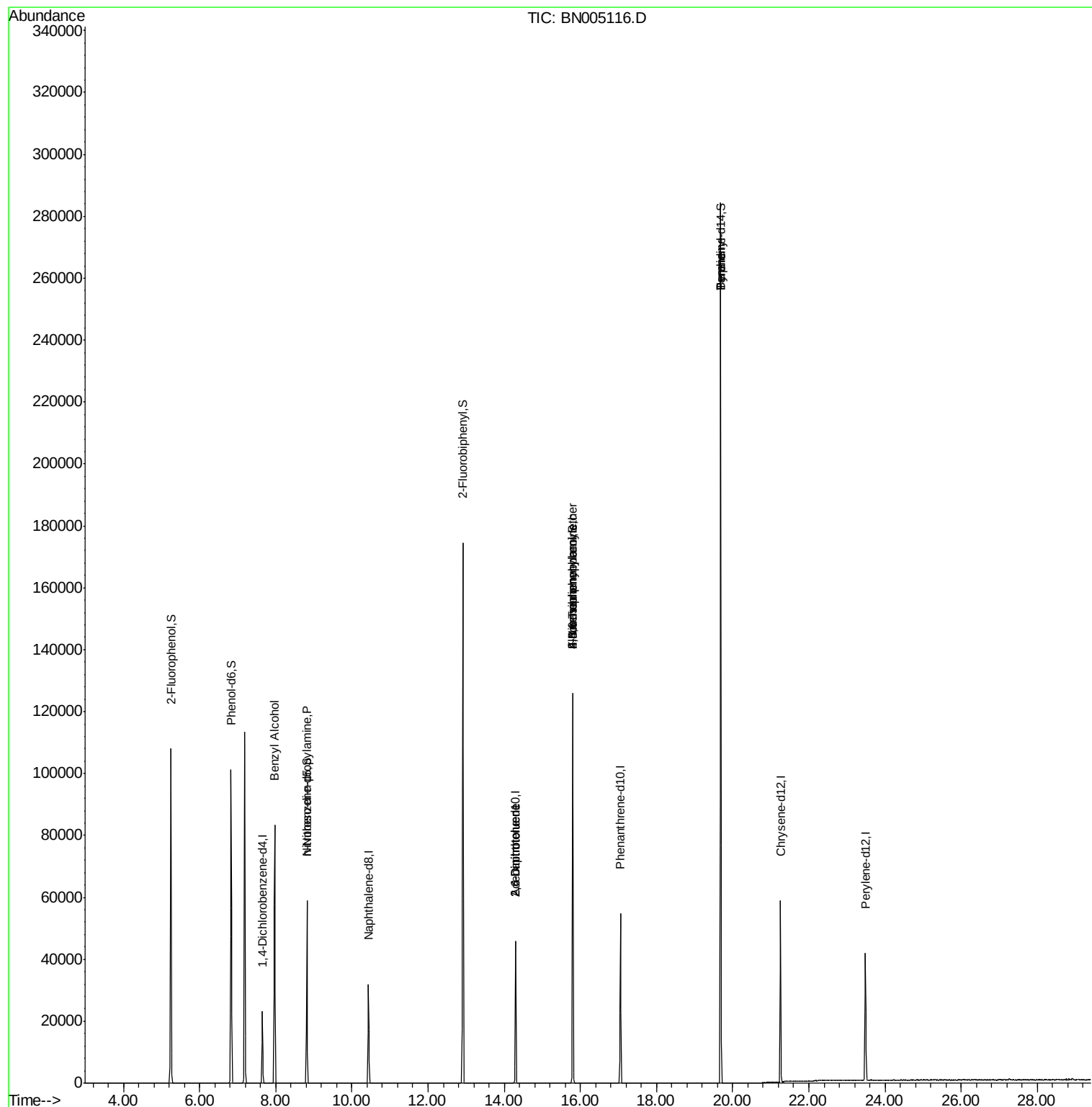
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	7486	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	30243	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	16941	20.00	ng	-0.03
64) Phenanthrene-d10	17.05	188	35893	20.00	ng	-0.02
76) Chrysene-d12	21.25	240	32182	20.00	ng	-0.02
87) Perylene-d12	23.49	264	33701	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	50152	115.83	ng	-0.02
7) Phenol-d6	6.83	99	63768	111.04	ng	-0.03
23) Nitrobenzene-d5	8.82	82	35073	70.15	ng	-0.03
42) 2,4,6-Tribromophenol	15.80	330	30121	110.24	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	99517	77.84	ng	-0.02
79) Terphenyl-d14	19.69	244	137321	82.15	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	7.96	79	257	0.588	ng	# 20
19) n-Nitroso-di-n-propylamine	8.82	70	4397	11.679	ng	# 73
51) 2,6-Dinitrotoluene	14.30	165	2031	6.413	ng	# 29
57) 2,4-Dinitrotoluene	14.30	165	2031	4.719	ng	# 27
58) Fluorene	15.80	166	885	0.661	ng	# 96
66) n-Nitrosodiphenylamine	15.80	169	483	0.427	ng	# 24
67) 4-Bromophenyl-phenylether	15.80	248	1624	3.626	ng	# 1
77) Benzidine	19.69	184	1551	1.546	ng	# 66
78) Pyrene	19.69	202	129	0.060	ng	# 57

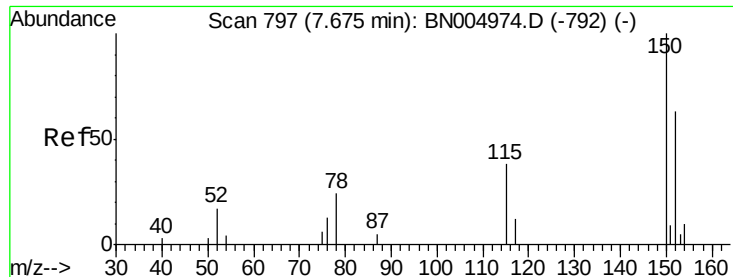
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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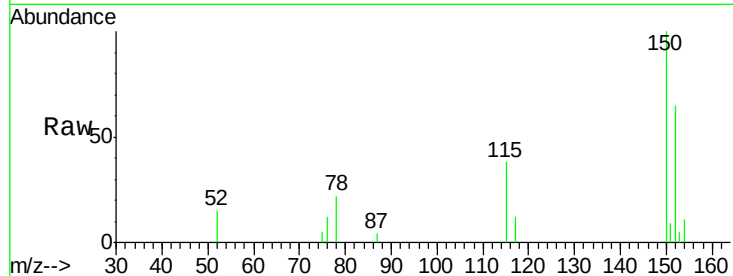


#1

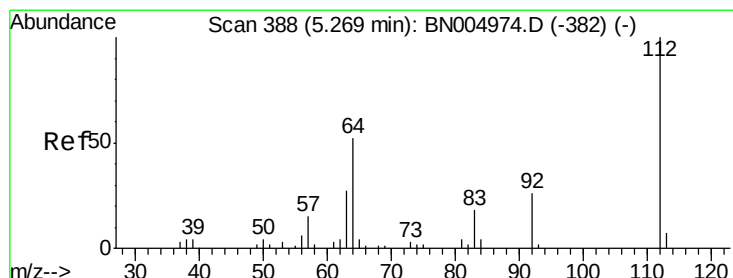
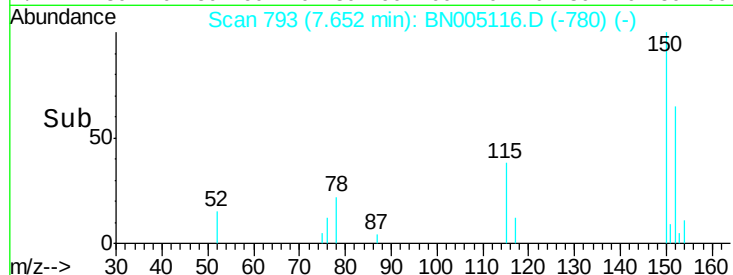
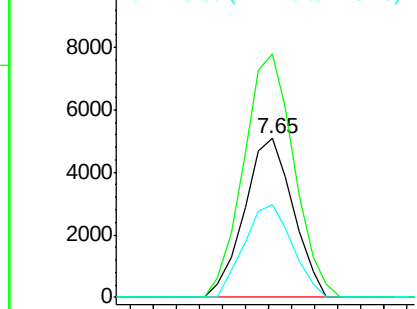
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005116.D
Acq: 09 Apr 2019 17:15

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 7486
Ion Ratio Lower Upper
152 100
150 153.2 126.9 190.3
115 58.1 47.8 71.6



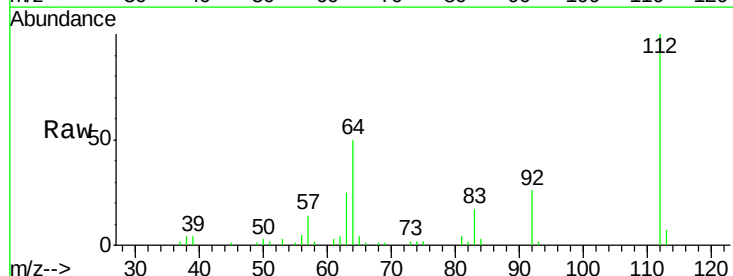
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



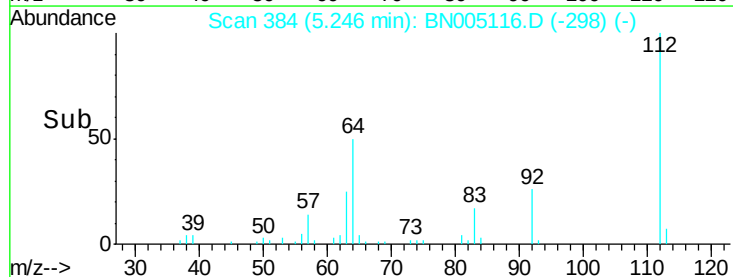
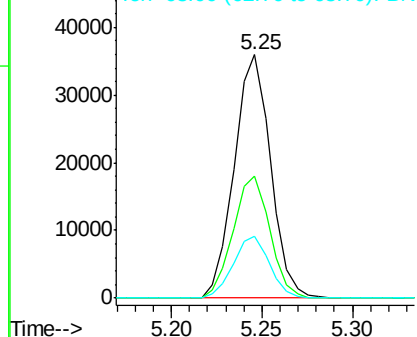
#5

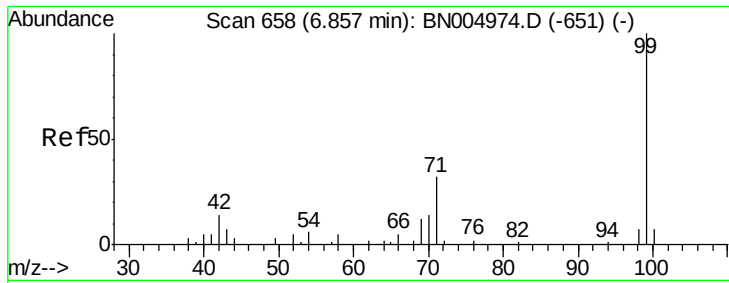
2-Fluorophenol
Concen: 115.826 ng
RT: 5.25 min Scan# 384
Delta R.T. -0.02 min
Lab File: BN005116.D
Acq: 09 Apr 2019 17:15

Tgt Ion:112 Resp: 50152
Ion Ratio Lower Upper
112 100
64 50.1 41.9 62.9
63 25.5 21.4 32.0



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: 111.037 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.03 min

Lab File: BN005116.D

Acq: 09 Apr 2019 17:15

Instrument :

BNA_N

ClientSampleId :

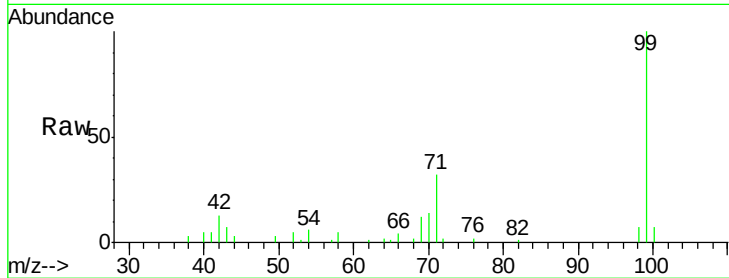
Tot Ion: 99 Resp: 63768

Ion Ratio Lower Upper

99 100

42 13.4 11.4 17.0

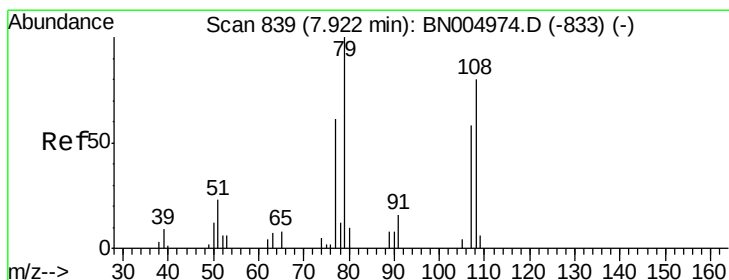
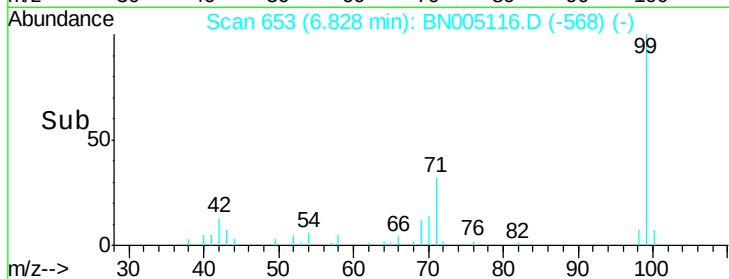
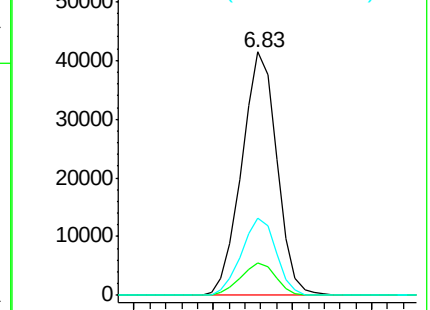
71 31.7 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)



#15

Benzyl Alcohol

Concen: 0.588 ng

RT: 7.96 min Scan# 846

Delta R.T. 0.04 min

Lab File: BN005116.D

Acq: 09 Apr 2019 17:15

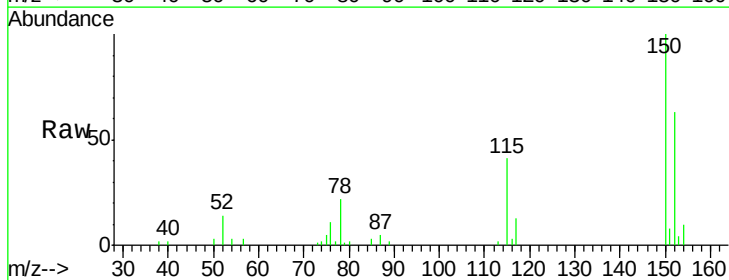
Tgt Ion: 79 Resp: 257

Ion Ratio Lower Upper

79 100

108 0.0 64.0 96.0#

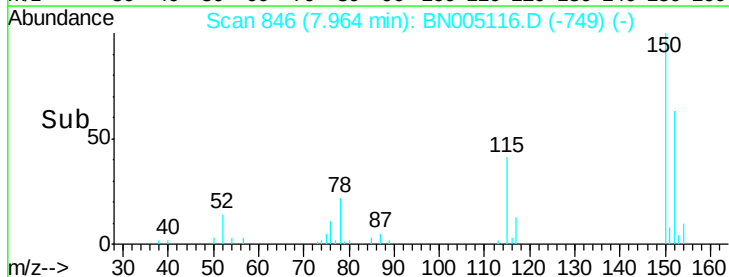
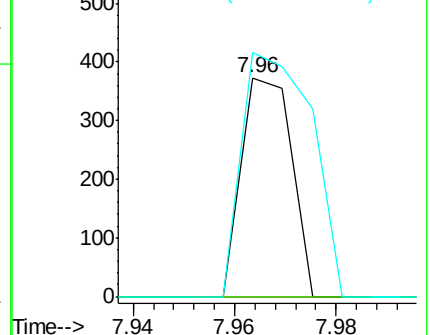
77 111.5 48.8 73.2#

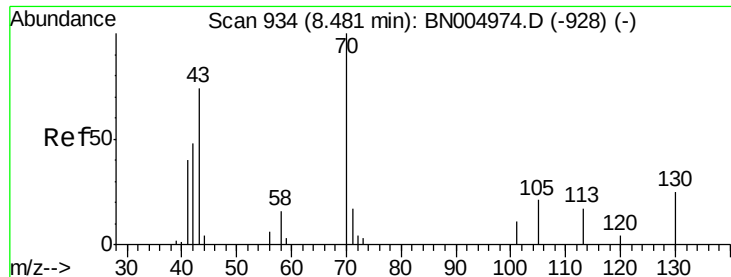


Abundance Ion 79.00 (78.70 to 79.70): BN004974.D (-833) (-)

Ion 108.00 (107.70 to 108.70): BN004974.D (-833) (-)

Ion 77.00 (76.70 to 77.70): BN004974.D (-833) (-)





#19

n-Nitroso-di-n-propylamine

Concen: 11.679 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.34 min

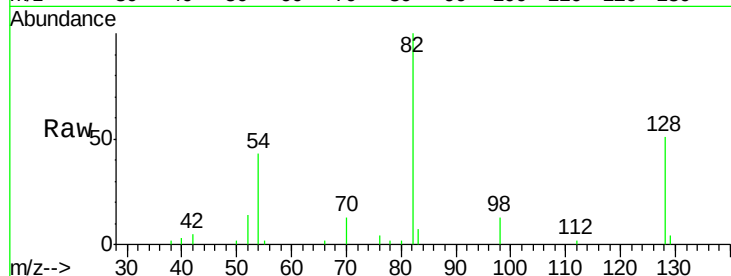
Lab File: BN005116.D

Acq: 09 Apr 2019 17:15

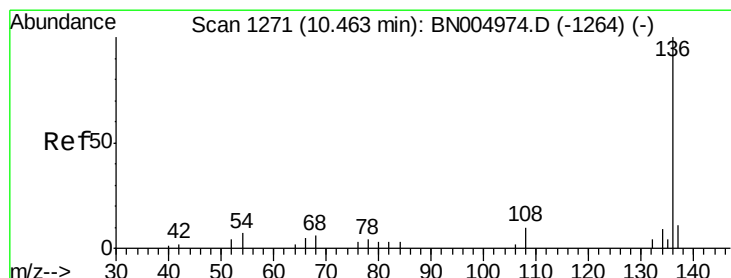
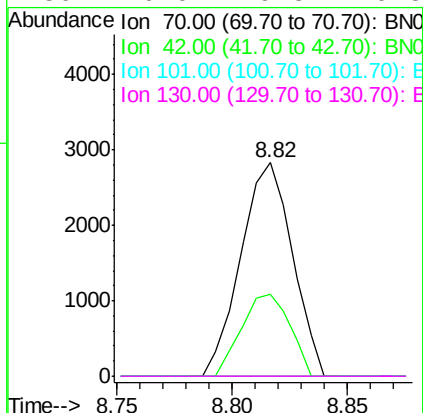
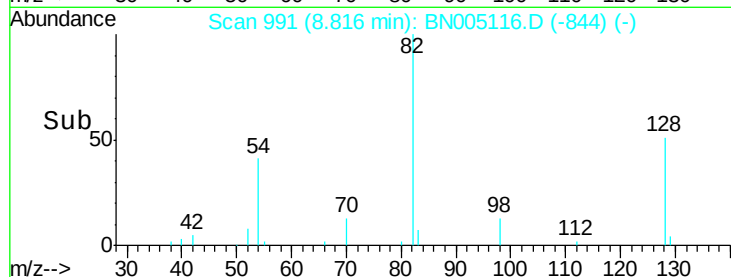
Instrument :

BNA_N

ClientSampleId :



Tot Ion:	70	Resp:	4397
Ion	Ratio	Lower	Upper
70	100		
42	38.5	38.4	57.6
101	0.0	8.8	13.2#
130	0.0	19.8	29.8#



#21

Naphthalene-d8

Concen: 20.000 ng

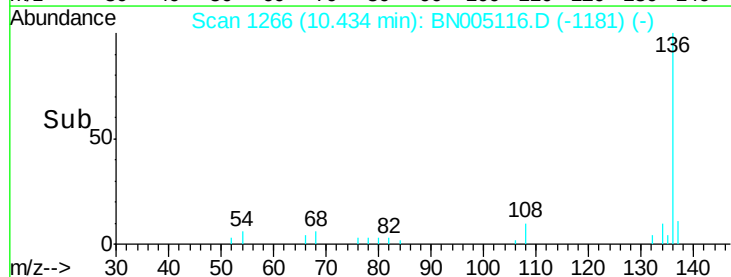
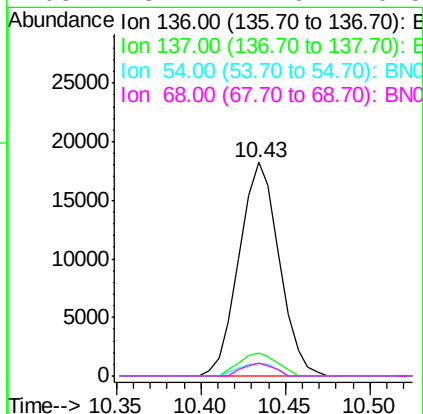
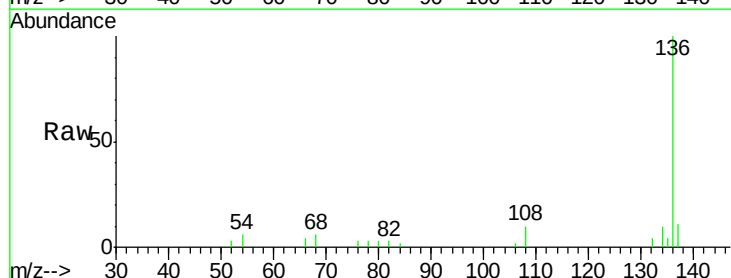
RT: 10.43 min Scan# 1266

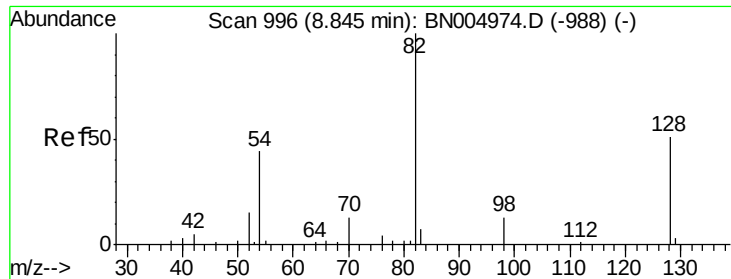
Delta R.T. -0.03 min

Lab File: BN005116.D

Acq: 09 Apr 2019 17:15

Tgt Ion:	136	Resp:	30243
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.1	5.3	7.9
68	5.7	4.6	6.8

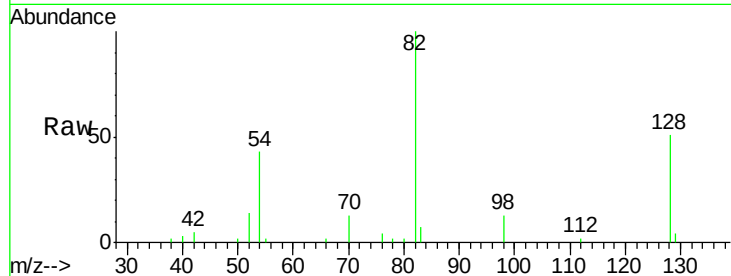




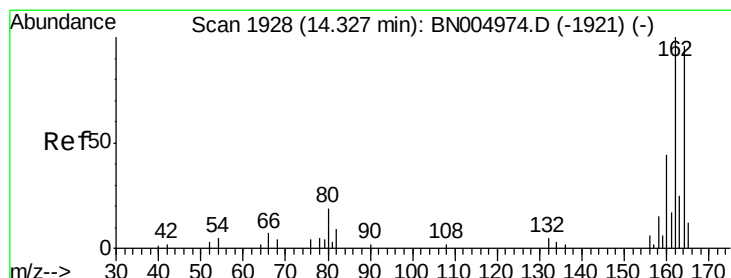
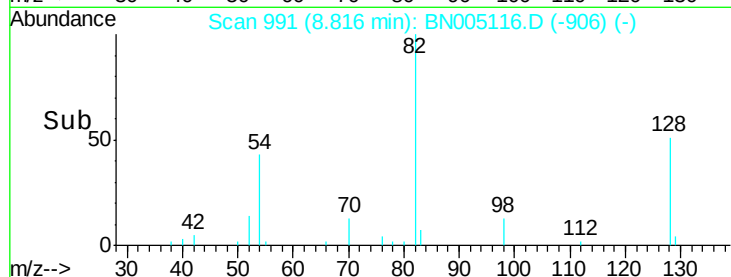
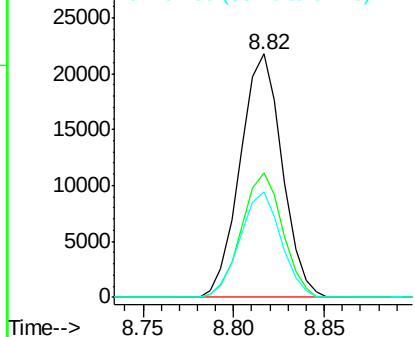
#23
 Nitrobenzene-d5
 Concen: 70.152 ng
 RT: 8.82 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

Instrument :
 BNA_N
 ClientSampled :

Tot Ion: 82 Resp: 35073
 Ion Ratio Lower Upper
 82 100
 128 51.1 40.6 60.8
 54 43.1 35.2 52.8

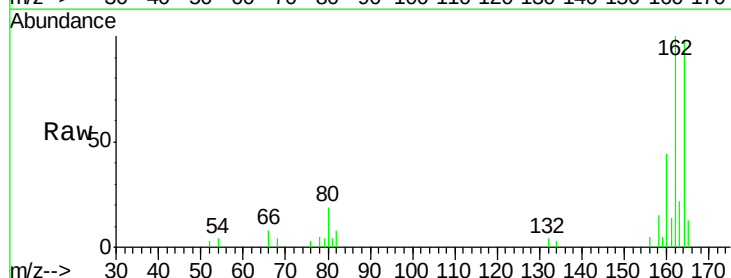


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

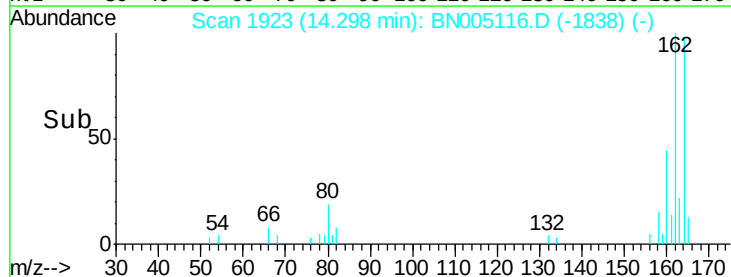
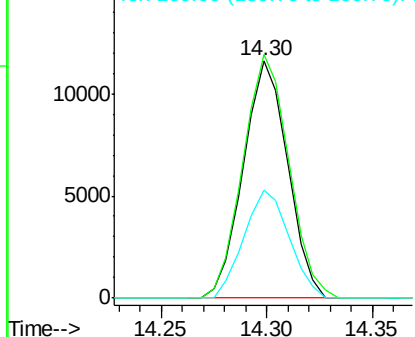


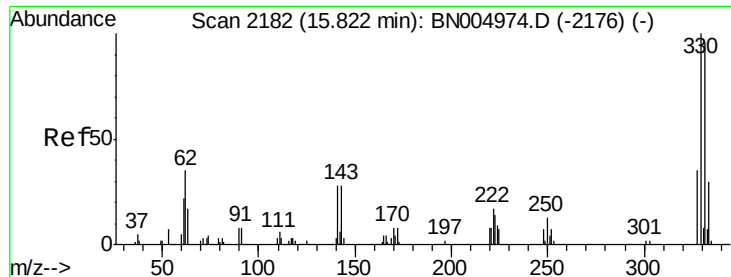
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.03 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

Tgt Ion:164 Resp: 16941
 Ion Ratio Lower Upper
 164 100
 162 102.4 83.4 125.0
 160 45.4 36.6 55.0



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

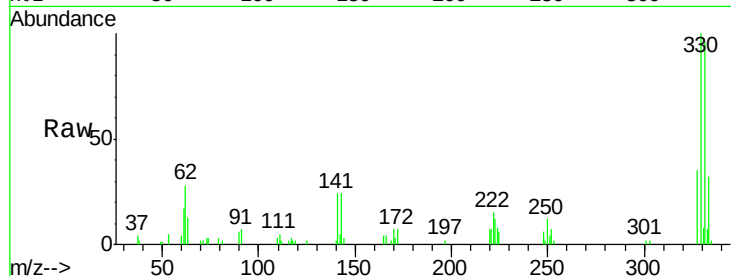




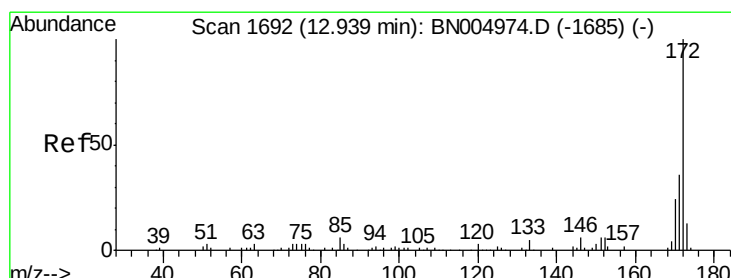
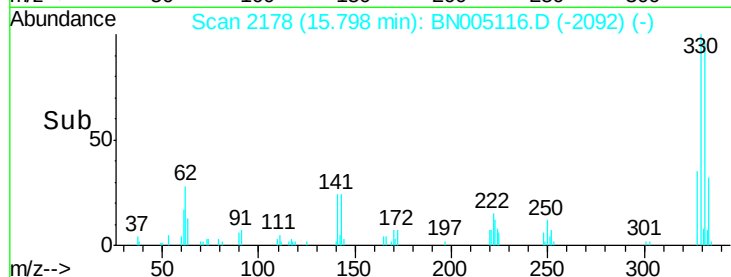
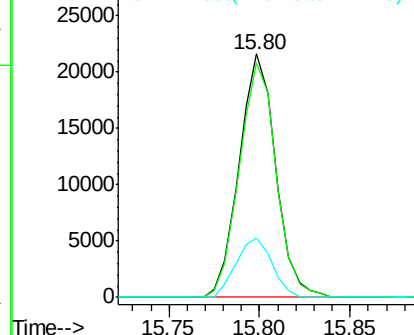
#42
 2,4,6-Tribromophenol
 Concen: 110.242 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.02 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	23.9	22.1	33.1

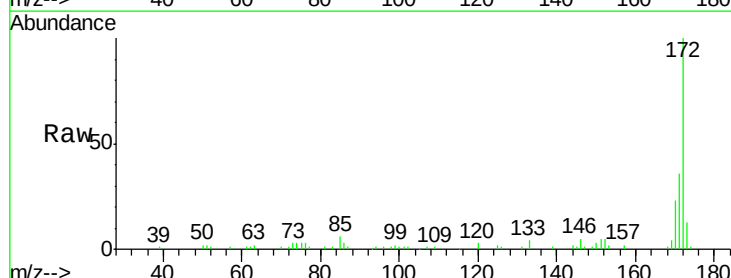


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

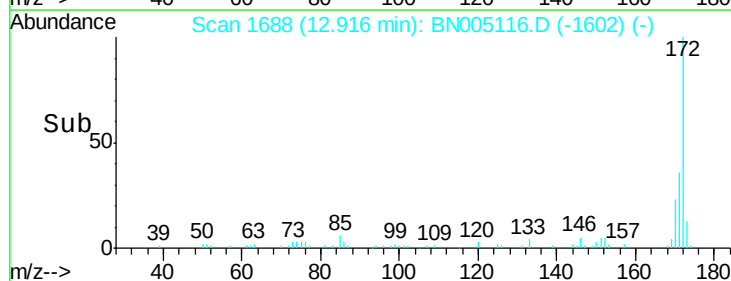
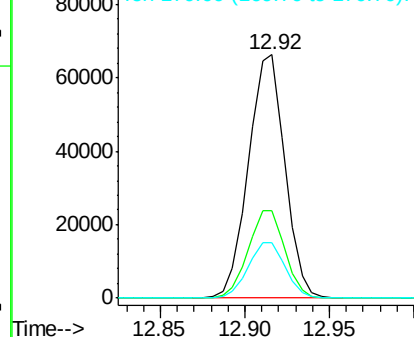


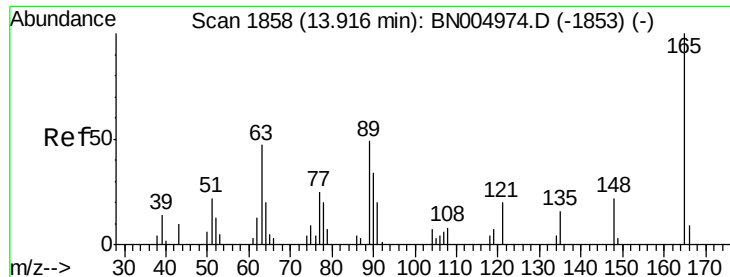
#45
 2-Fluorobiphenyl
 Concen: 77.842 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.02 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.0	18.9	28.3



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

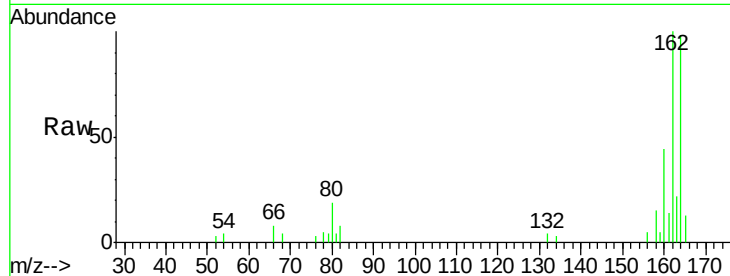




#51
 2,6-Dinitrotoluene
 Concen: 6.413 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.38 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

Instrument :
 BNA_N
 ClientSampleId :

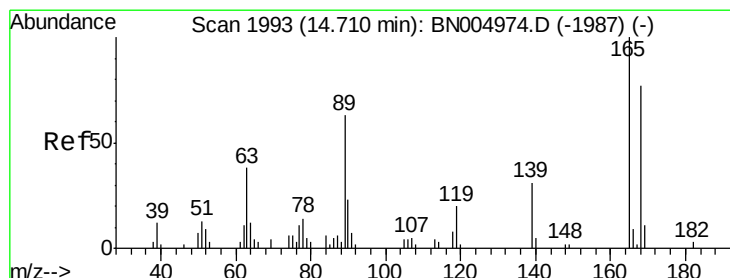
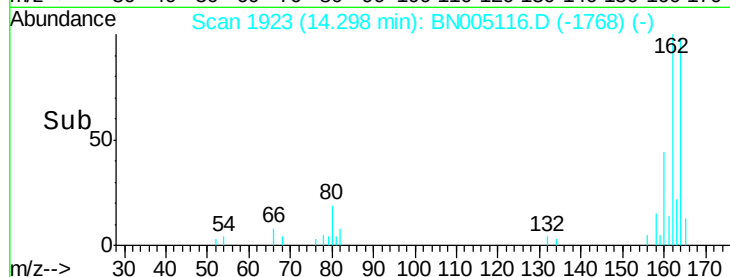
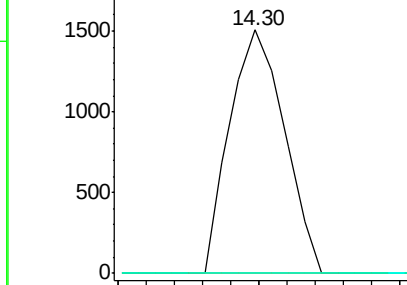
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	39.2	58.8#



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



#57
 2,4-Dinitrotoluene
 Concen: 4.719 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.41 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

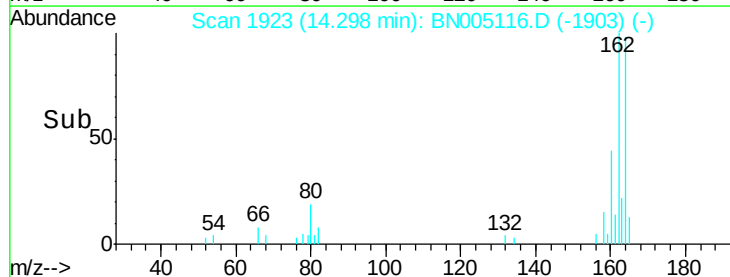
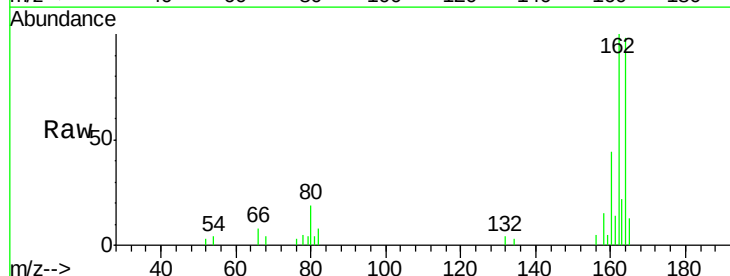
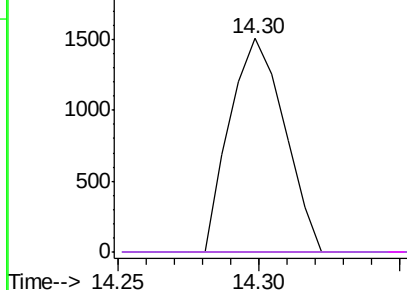
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.4	45.6#
89	0.0	50.7	76.1#
182	0.0	2.5	3.7#

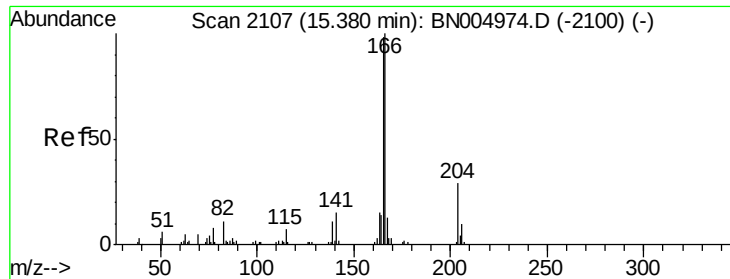
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 0.661 ng

RT: 15.80 min Scan# 2178

Delta R.T. 0.42 min

Lab File: BN005116.D

Acq: 09 Apr 2019 17:15

Instrument :

BNA_N

ClientSampleId :

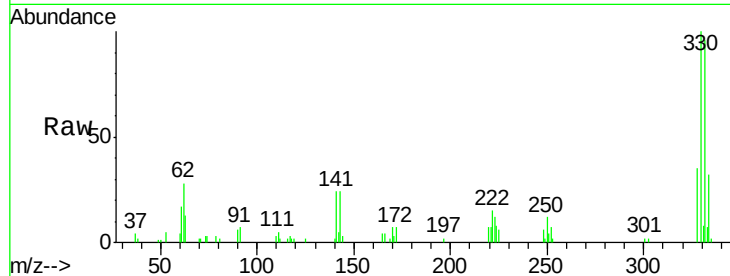
Tot Ion:166 Resp: 885

Ion Ratio Lower Upper

166 100

165 98.2 78.3 117.5

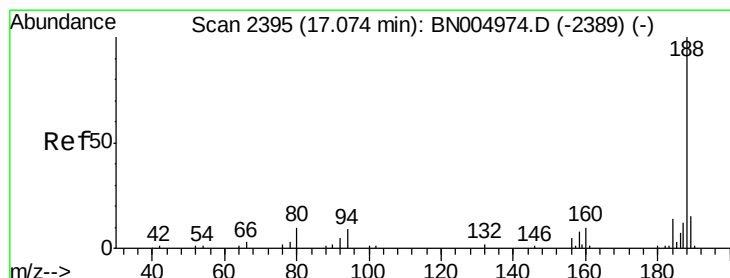
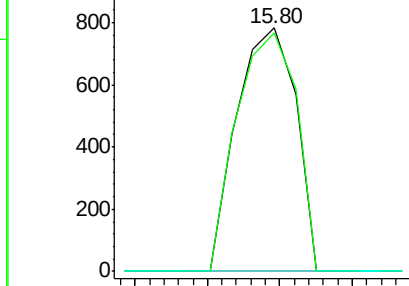
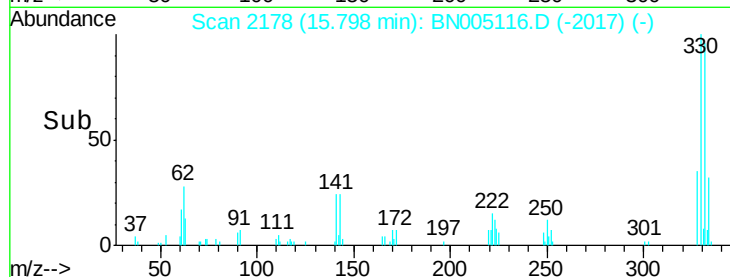
167 0.0 10.6 15.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2391

Delta R.T. -0.02 min

Lab File: BN005116.D

Acq: 09 Apr 2019 17:15

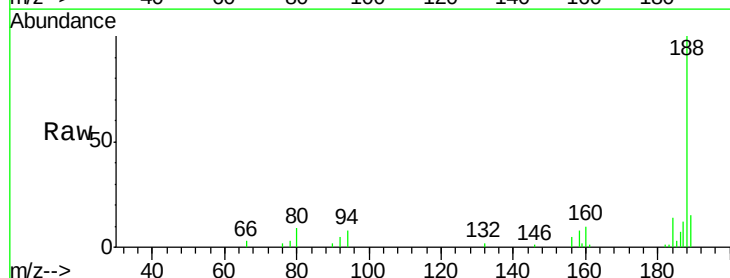
Tgt Ion:188 Resp: 35893

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

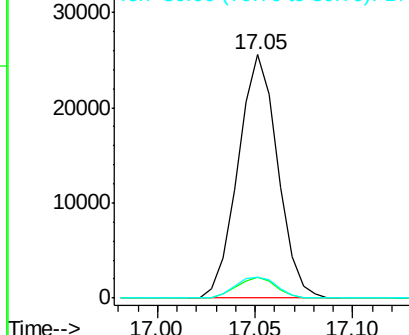
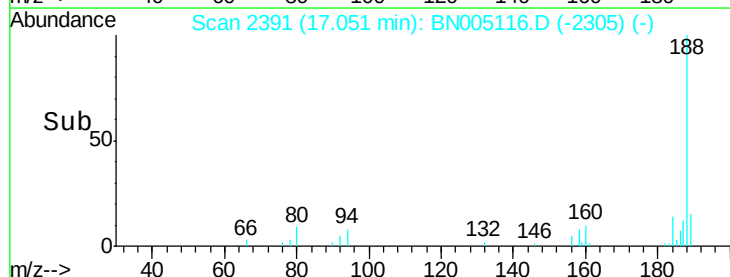
80 8.8 7.8 11.6

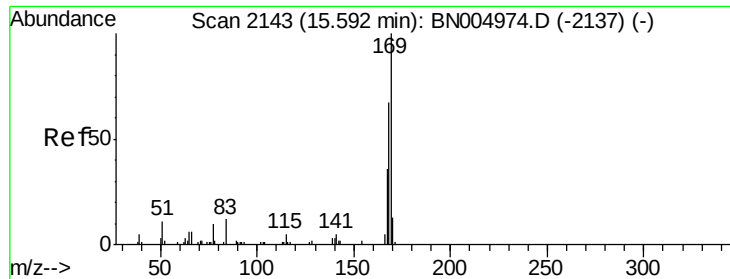


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

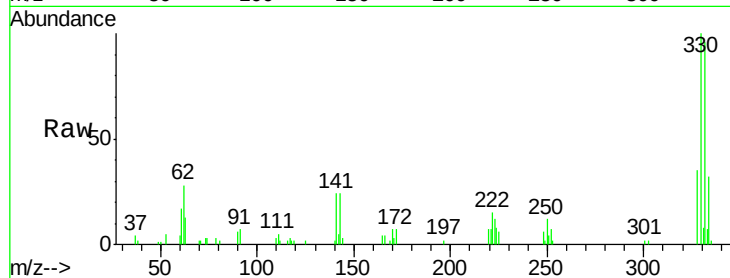




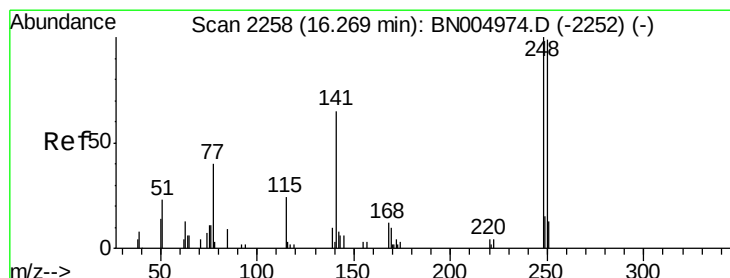
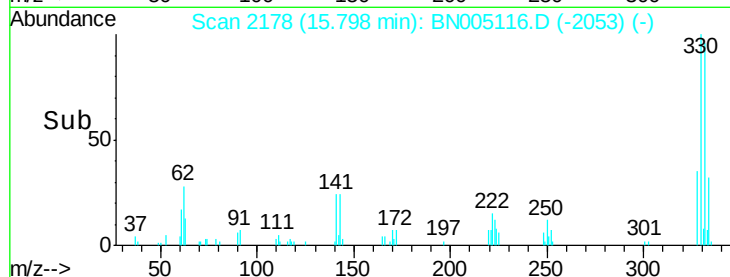
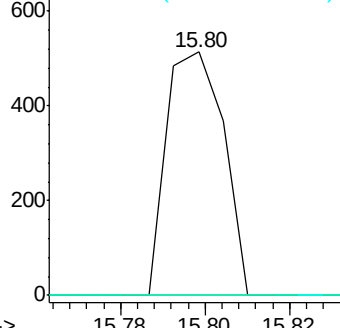
#66
 n-Nitrosodiphenylamine
 Concen: 0.427 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. 0.21 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.4	80.2#
167	0.0	28.9	43.3#

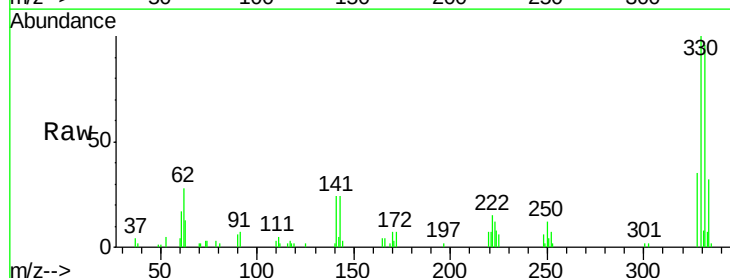


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

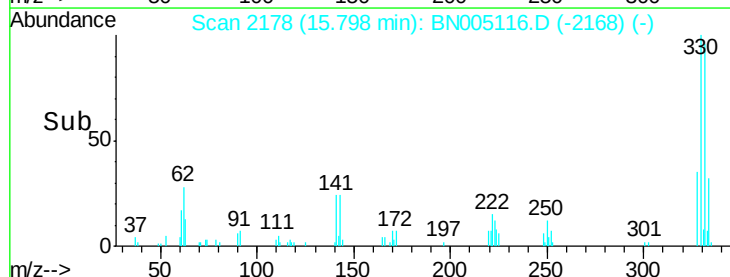
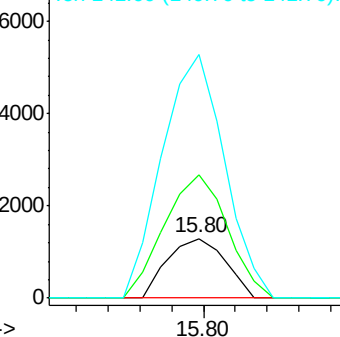


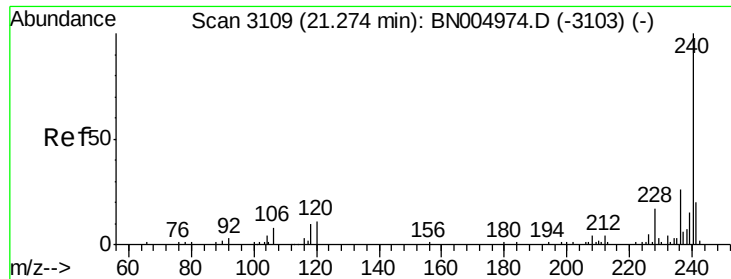
#67
 4-Bromophenyl-phenylether
 Concen: 3.626 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.47 min
 Lab File: BN005116.D
 Acq: 09 Apr 2019 17:15

Tgt Ion	Ratio	Lower	Upper
248	100		
250	207.6	79.4	119.2#
141	409.8	52.3	78.5#



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

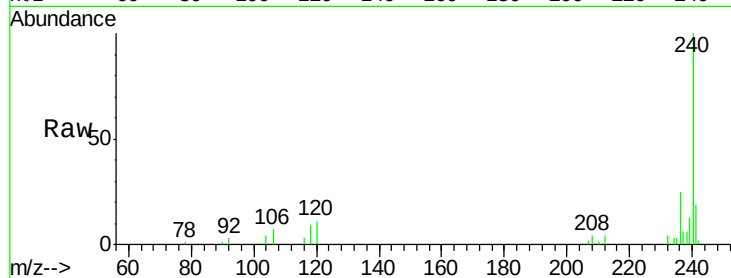




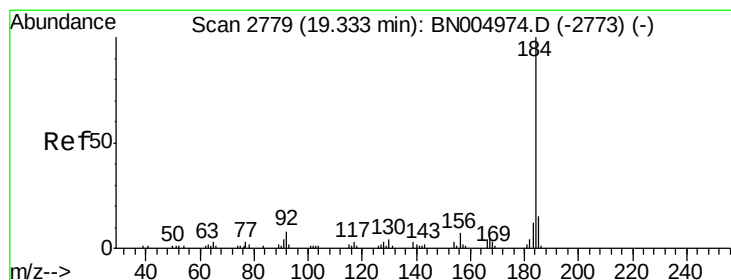
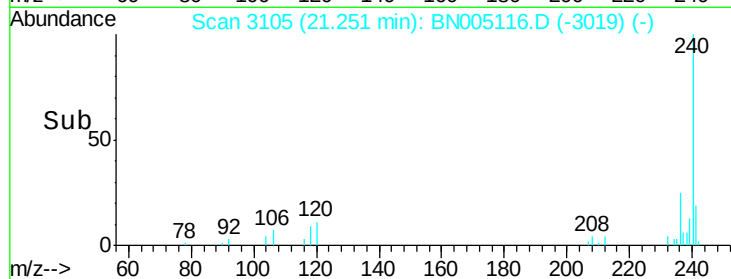
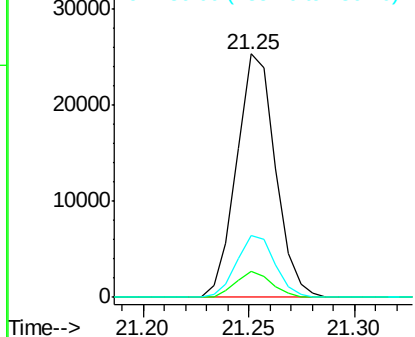
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.02 min
Lab File: BN005116.D
Acq: 09 Apr 2019 17:15

Instrument :
BNA_N
ClientSampleId :

Tot Ion:240 Resp: 32182
Ion Ratio Lower Upper
240 100
120 10.6 8.5 12.7
236 25.3 21.2 31.8

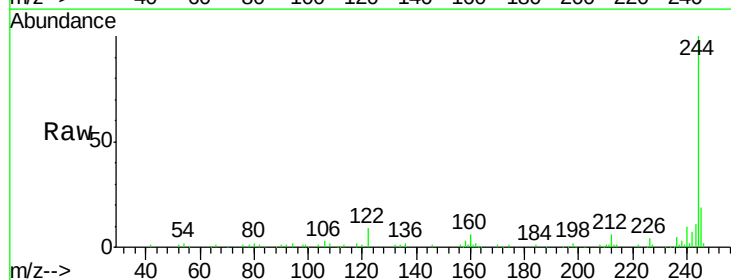


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

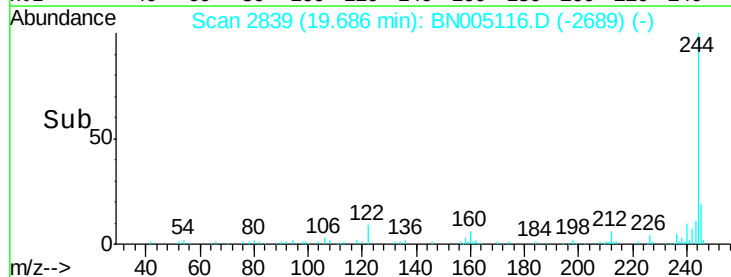
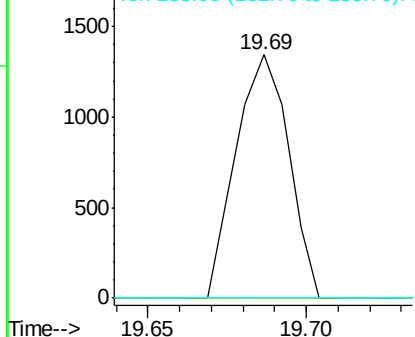


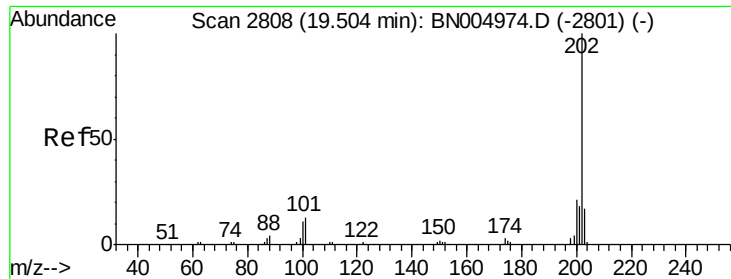
#77
Benzidine
Concen: 1.546 ng
RT: 19.69 min Scan# 2839
Delta R.T. 0.35 min
Lab File: BN005116.D
Acq: 09 Apr 2019 17:15

Tgt Ion:184 Resp: 1551
Ion Ratio Lower Upper
184 100
185 0.0 11.8 17.8#
183 0.0 9.9 14.9#



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

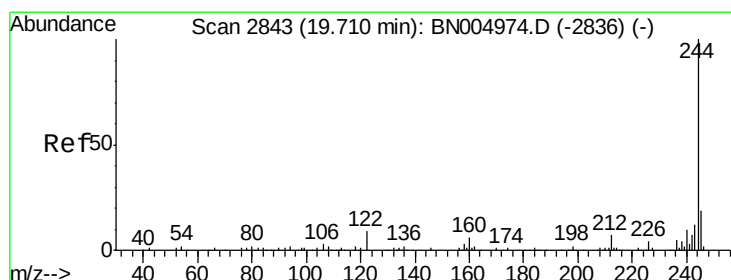
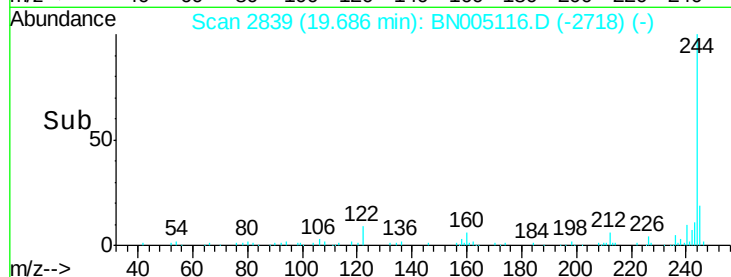
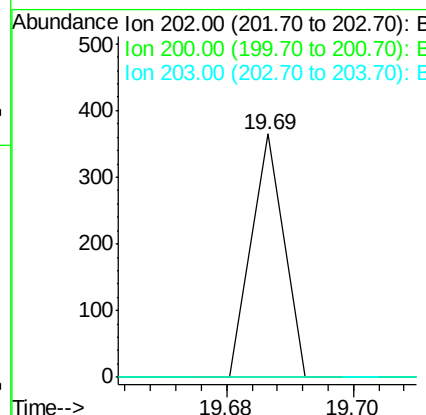
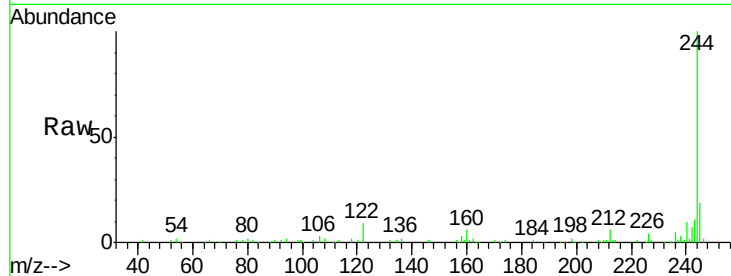




#78
Pvrene
Concen: 0.060 ng
RT: 19.69 min Scan# 2839
Delta R.T. 0.18 min
Lab File: BN005116.D
Acq: 09 Apr 2019 17:15

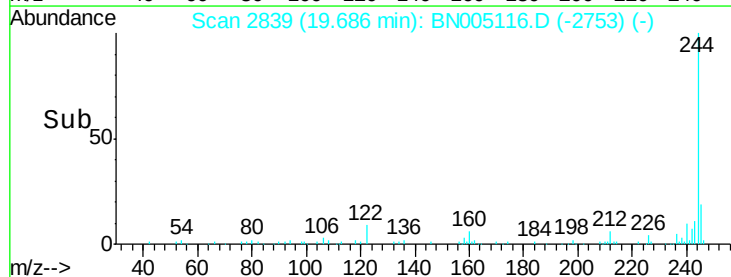
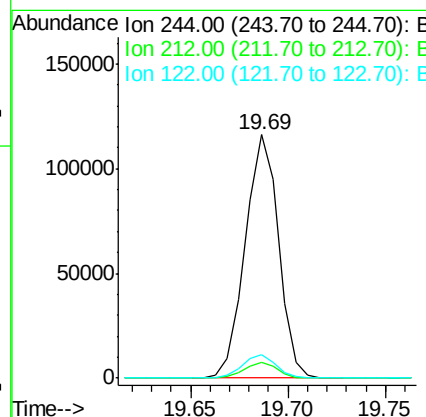
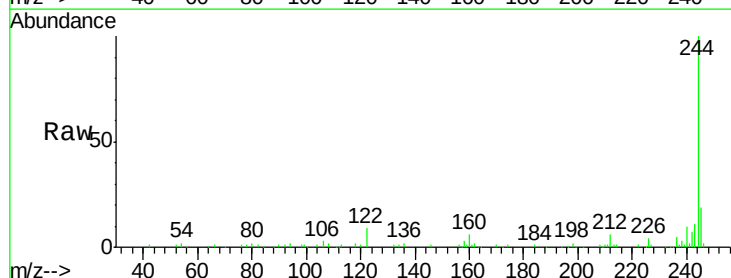
Instrument :
BNA_N
ClientSampleId :

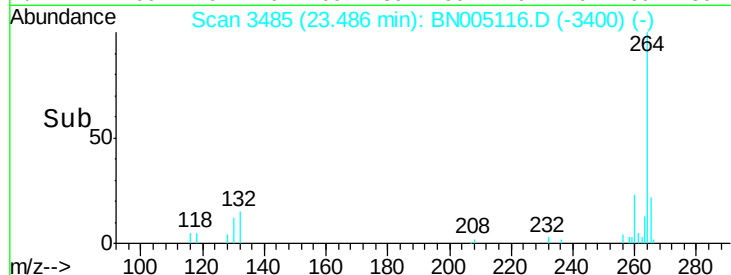
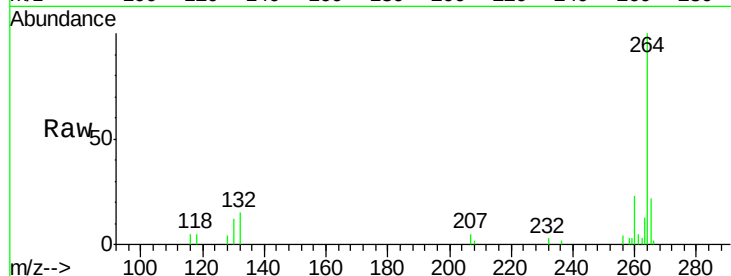
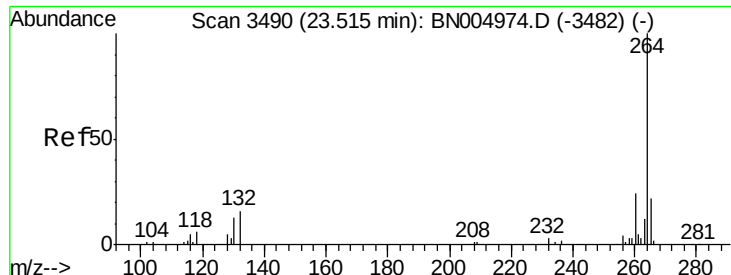
Tot Ion:202 Resp: 129
Ion Ratio Lower Upper
202 100
200 0.0 17.0 25.4#
203 0.0 14.0 21.0#



#79
Terphenyl-d14
Concen: 82.150 ng
RT: 19.69 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BN005116.D
Acq: 09 Apr 2019 17:15

Tgt Ion:244 Resp: 137321
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.4 7.4 11.2





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3485
Delta R.T. -0.03 min
Lab File: BN005116.D
Acq: 09 Apr 2019 17:15

Instrument :
BNA_N
ClientSampleId :

Tot Ion:	264	Resp:	33701
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.9	17.2	25.8

