

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040919\
 Data File : BN005119.D
 Acq On : 09 Apr 2019 19:02
 Operator : JU/SJ
 Sample : K2316-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 10 01:16:49 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	8870	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	37038	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	21151	20.00	ng	-0.03
64) Phenanthrene-d10	17.05	188	45497	20.00	ng	-0.02
76) Chrysene-d12	21.25	240	41623	20.00	ng	-0.02
87) Perylene-d12	23.49	264	39818	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	29084	56.69	ng	-0.03
7) Phenol-d6	6.83	99	22444	32.98	ng	-0.03
23) Nitrobenzene-d5	8.82	82	50465	82.42	ng	-0.03
42) 2,4,6-Tribromophenol	15.80	330	47968	140.62	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	136042	85.23	ng	-0.02
79) Terphenyl-d14	19.69	244	201942	93.41	ng	-0.02

Target Compounds

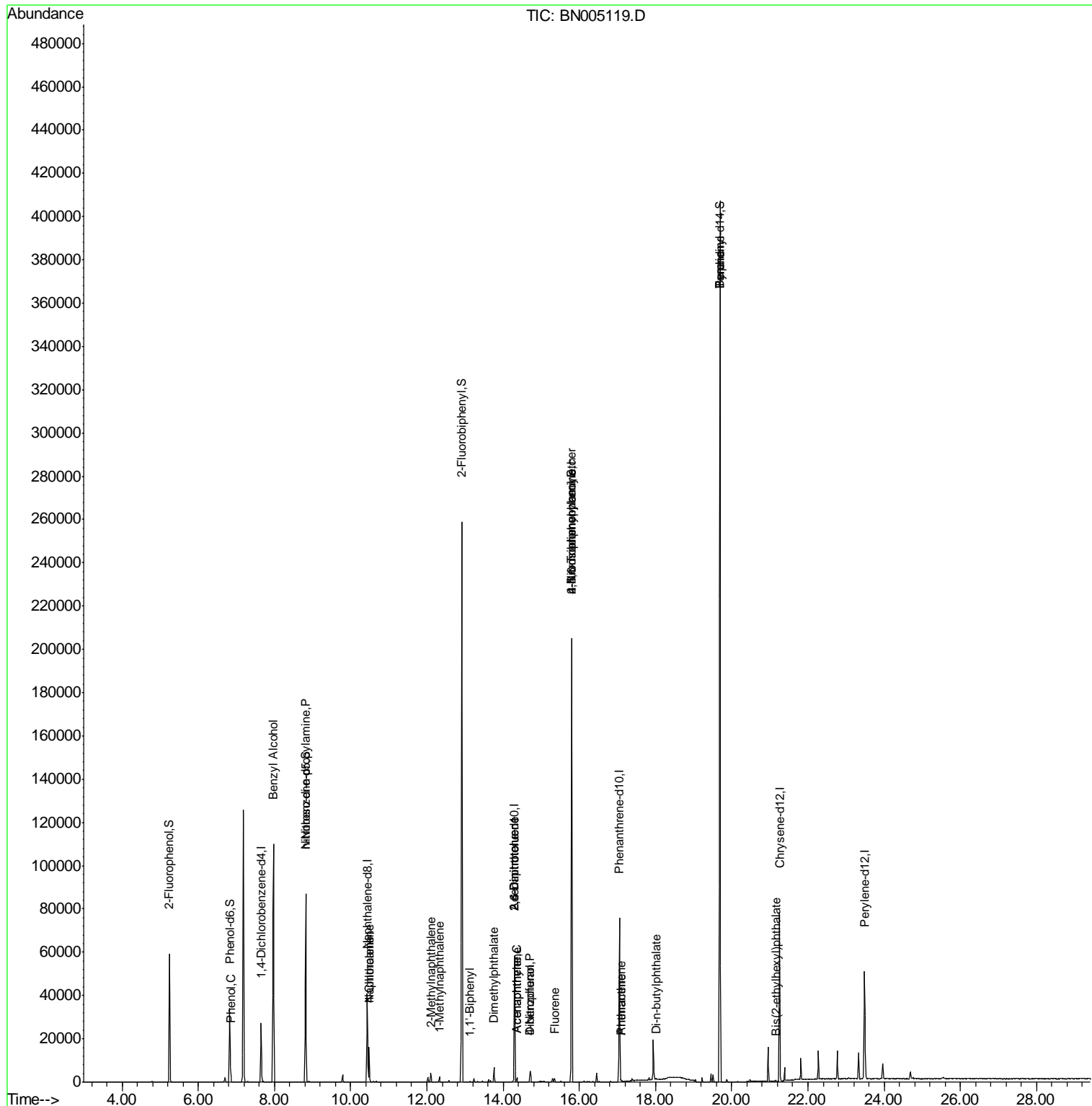
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.85	94	3105	4.258	ng	98
15) Benzyl Alcohol	7.96	79	616	1.190	ng	# 27
19) n-Nitroso-di-n-propylamine	8.82	70	6412	14.374	ng	# 75
31) Naphthalene	10.48	128	15994	8.277	ng	100
33) 4-Chloroaniline	10.48	127	1932	2.457	ng	# 38
37) 2-Methylnaphthalene	12.10	142	2859	2.095	ng	97
38) 1-Methylnaphthalene	12.33	142	1578	1.182	ng	# 97
46) 1,1'-Biphenyl	13.13	154	473	0.264	ng	# 42
49) Acenaphthylene	14.36	152	376	0.163	ng	# 1
50) Dimethylphthalate	13.76	163	6097	3.509	ng	# 95
51) 2,6-Dinitrotoluene	14.30	165	2711	6.856	ng	# 29
52) Acenaphthene	14.36	154	975	0.750	ng	97
55) Dibenzofuran	14.70	168	1022	0.494	ng	# 90
56) 4-Nitrophenol	14.70	139	225	0.707	ng	# 13
57) 2,4-Dinitrotoluene	14.30	165	2711	5.045	ng	# 27
58) Fluorene	15.35	166	849	0.508	ng	# 94
66) n-Nitrosodiphenylamine	15.80	169	1067	0.745	ng	# 37
67) 4-Bromophenyl-phenylether	15.80	248	2805	4.940	ng	# 1
71) Phenanthrene	17.09	178	1697	0.664	ng	# 60
72) Anthracene	17.09	178	1697	0.667	ng	# 61
74) Di-n-butylphthalate	18.01	149	675	0.239	ng	# 78
77) Benzidine	19.69	184	2271	1.751	ng	# 84
78) Pyrene	19.69	202	355	0.128	ng	# 57
84) Bis(2-ethylhexyl)phthalate	21.16	149	259	0.166	ng	# 53

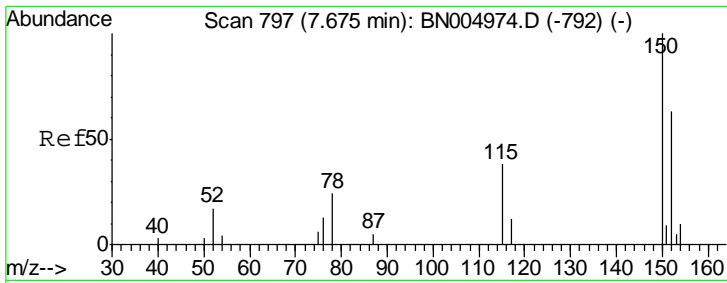
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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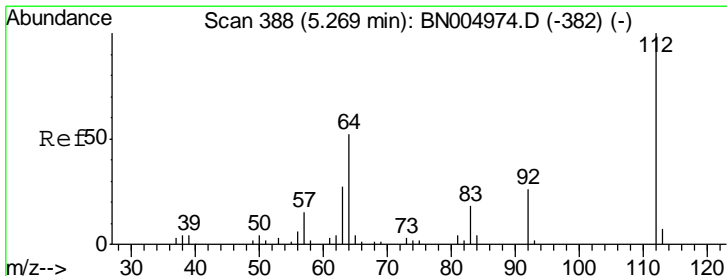
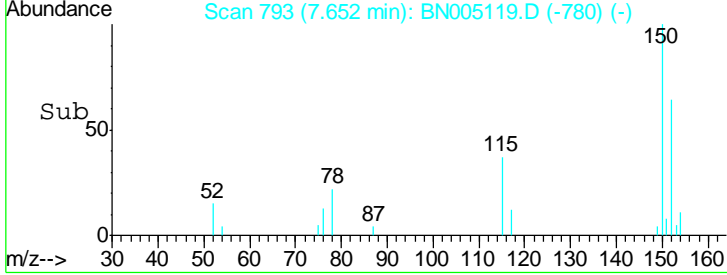
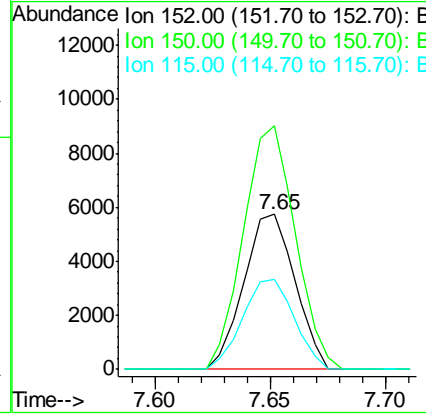
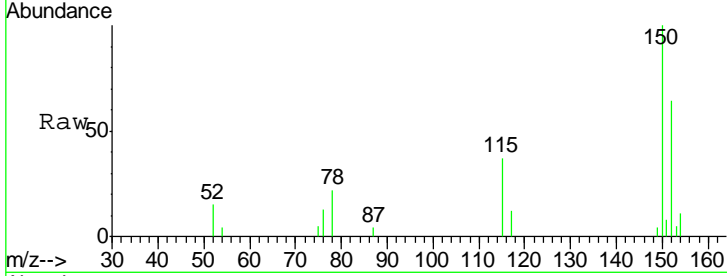




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.65 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

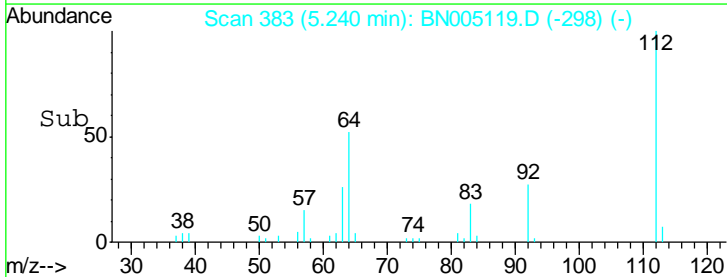
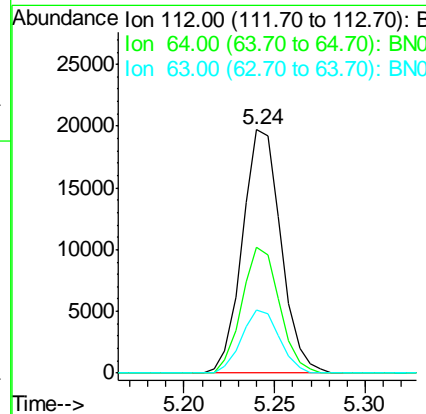
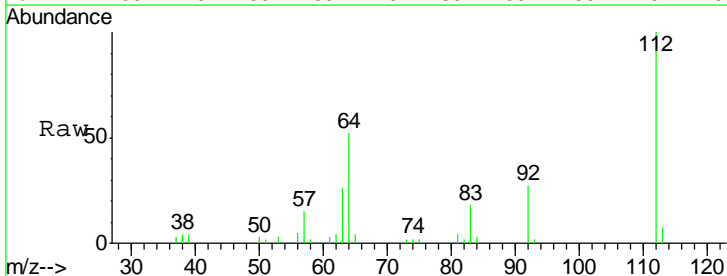
Instrument :
 BNA_N
 ClientSampled :

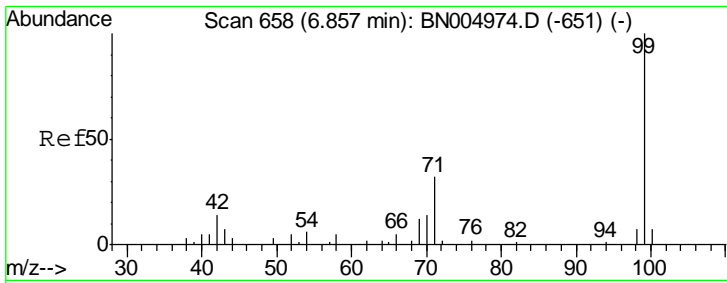
Tgt Ion	Resp	Lower	Upper
152	100		
150	156.9	126.9	190.3
115	58.2	47.8	71.6



#5
 2-Fluorophenol
 Concen: 56.689 ng
 RT: 5.24 min Scan# 383
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
112	100		
64	51.6	41.9	62.9
63	25.9	21.4	32.0

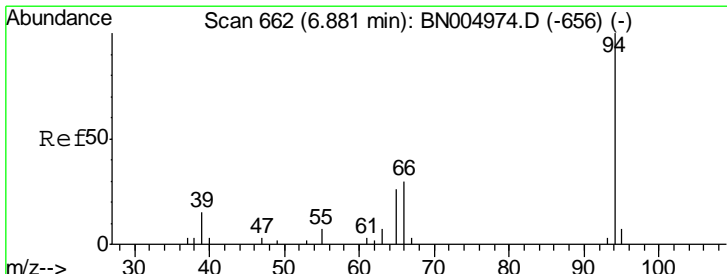
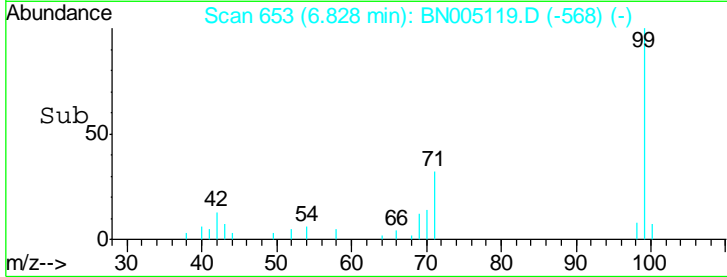
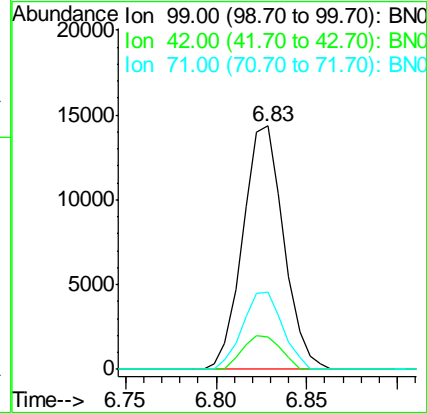
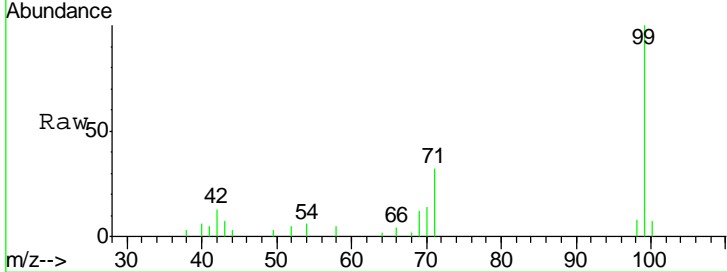




#7
 Phenol-d6
 Concen: 32.983 ng
 RT: 6.83 min Scan# 653
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

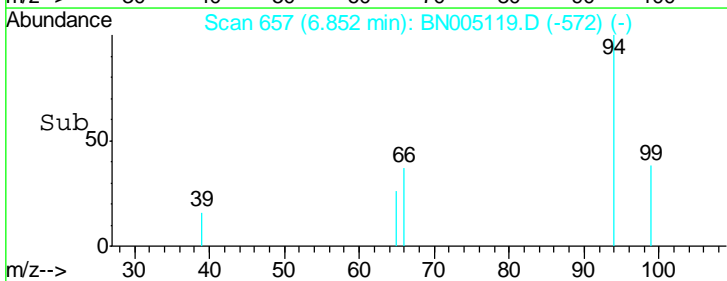
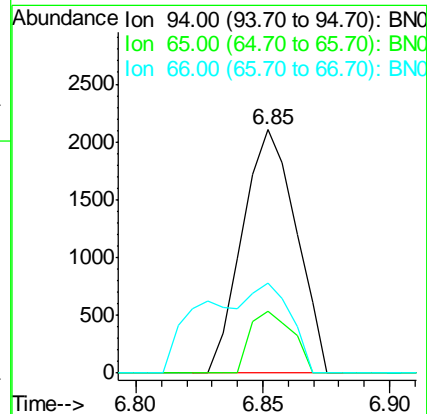
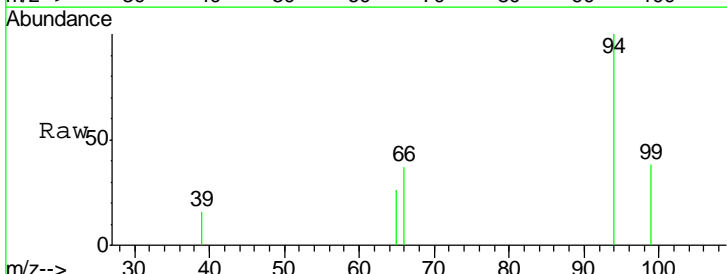
Instrument :
 BNA_N
 ClientSampled :

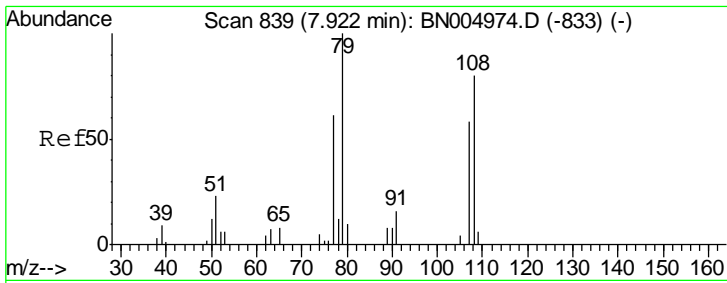
Tgt Ion	Resp	Lower	Upper
99	22444		
99	100		
42	13.5	11.4	17.0
71	31.6	25.8	38.8



#10
 Phenol
 Concen: 4.258 ng
 RT: 6.85 min Scan# 657
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
94	3105		
94	100		
65	25.6	5.7	45.7
66	37.1	14.8	54.8

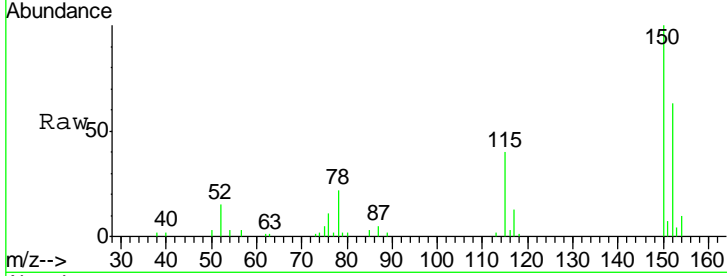




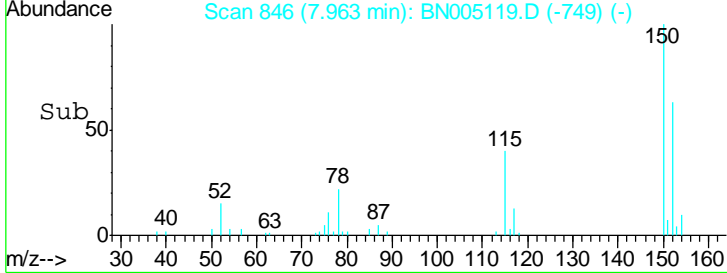
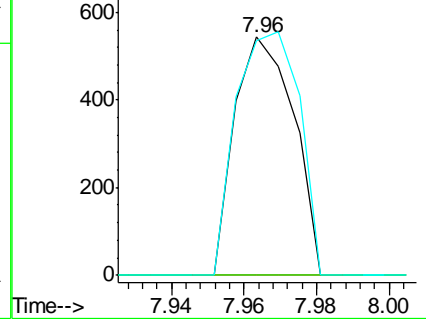
#15
Benzyl Alcohol
Concen: 1.190 ng
RT: 7.96 min Scan# 846
Delta R.T. 0.04 min
Lab File: BN005119.D
Acq: 09 Apr 2019 19:02

Instrument :
BNA_N
ClientSampled :

Tgt Ion	Resp	Lower	Upper
79	100		
108	0.0	64.0	96.0#
77	98.5	48.8	73.2#

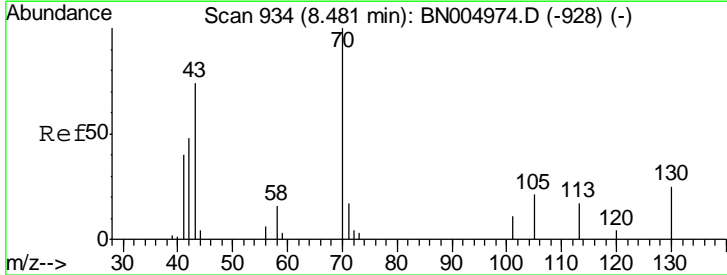


Abundance Ion 79.00 (78.70 to 79.70): BNC
Ion 108.00 (107.70 to 108.70): BNC
Ion 77.00 (76.70 to 77.70): BNC

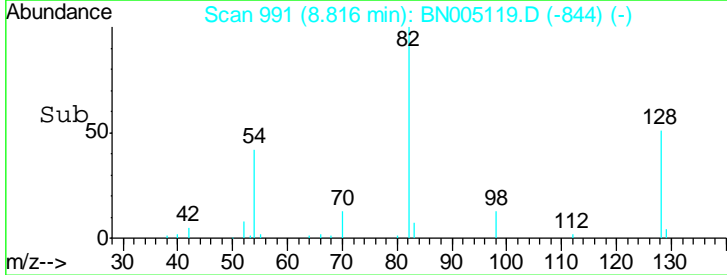
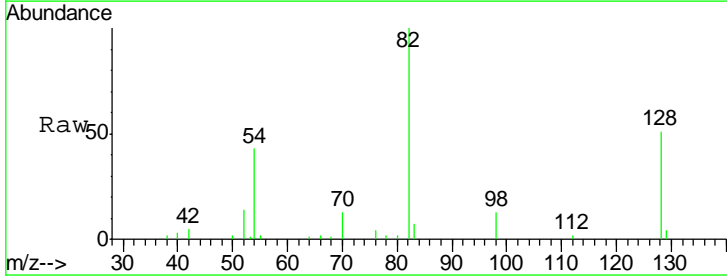
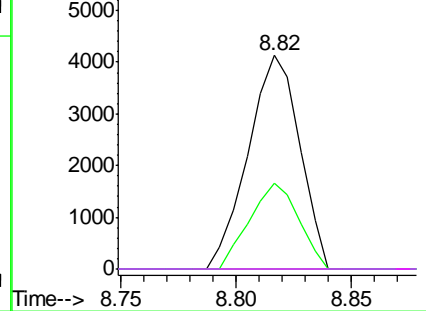


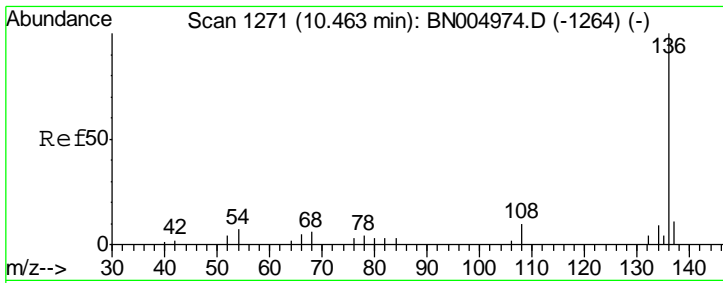
#19
n-Nitroso-di-n-propylamine
Concen: 14.374 ng
RT: 8.82 min Scan# 991
Delta R.T. 0.34 min
Lab File: BN005119.D
Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
70	100		
42	40.3	38.4	57.6
101	0.0	8.8	13.2#
130	0.0	19.8	29.8#



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



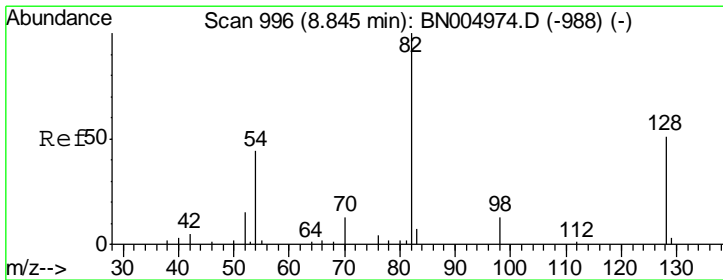
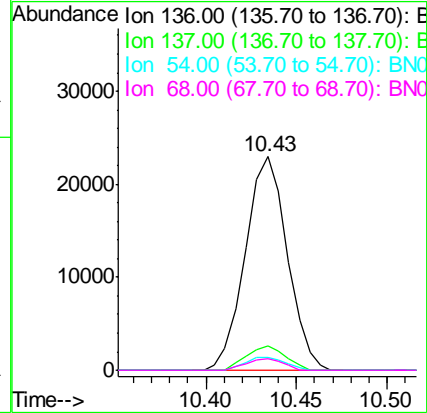
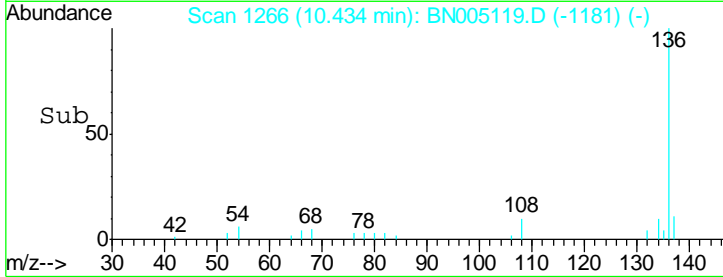
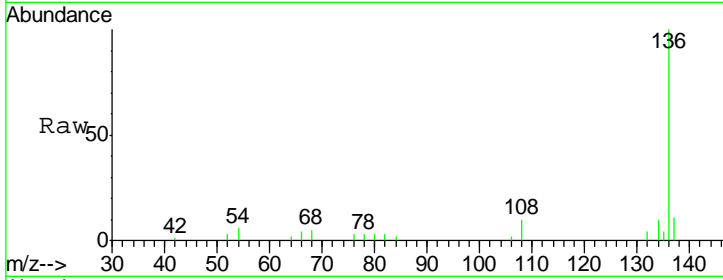


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.43 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Instrument :
 BNA_N
 ClientSampled :

Tgt Ion: 136 Resp: 37038

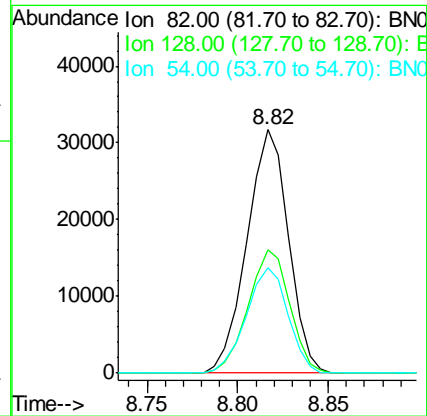
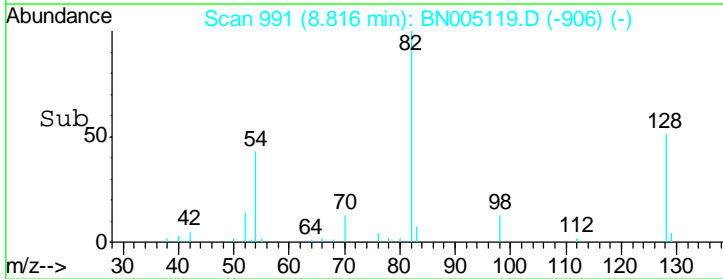
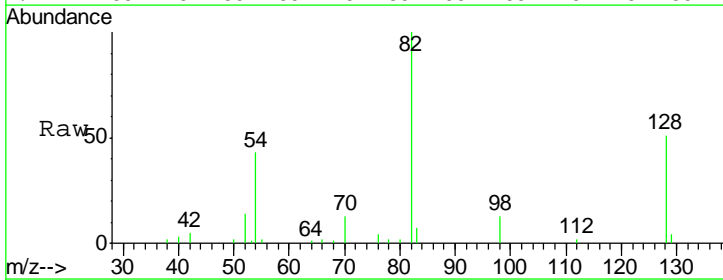
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.0	5.3	7.9
68	5.3	4.6	6.8

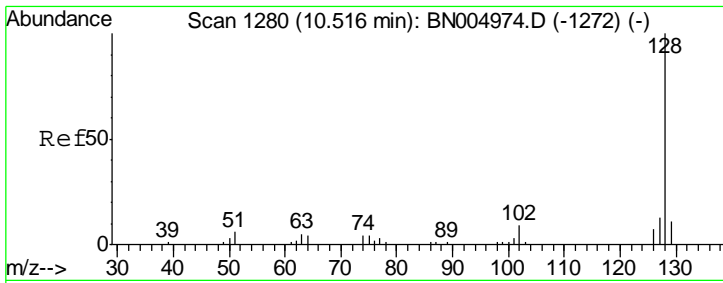


#23
 Nitrobenzene-d5
 Concen: 82.421 ng
 RT: 8.82 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion: 82 Resp: 50465

Ion	Ratio	Lower	Upper
82	100		
128	50.7	40.6	60.8
54	43.4	35.2	52.8

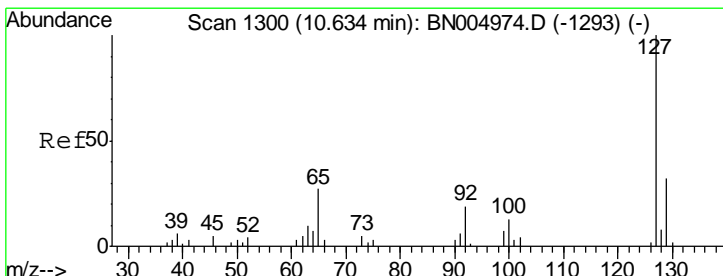
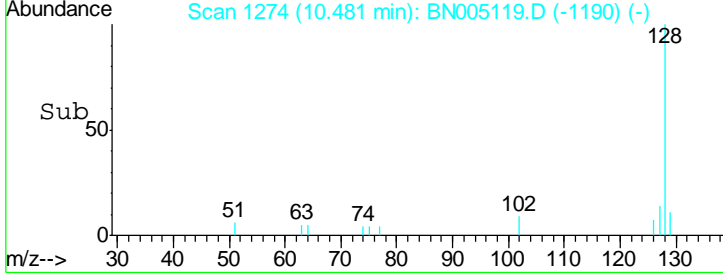
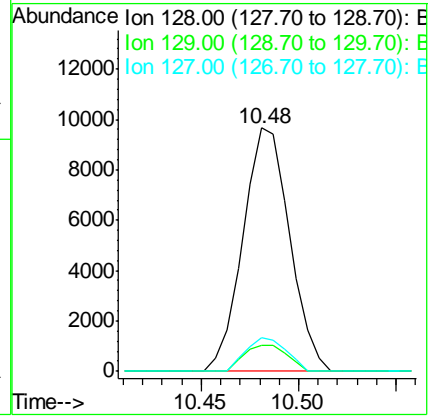
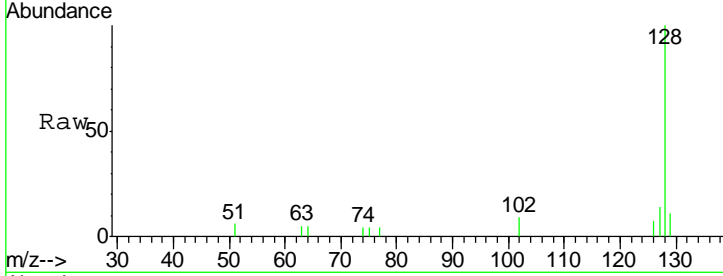




#31
 Naphthalene
 Concen: 8.277 ng
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

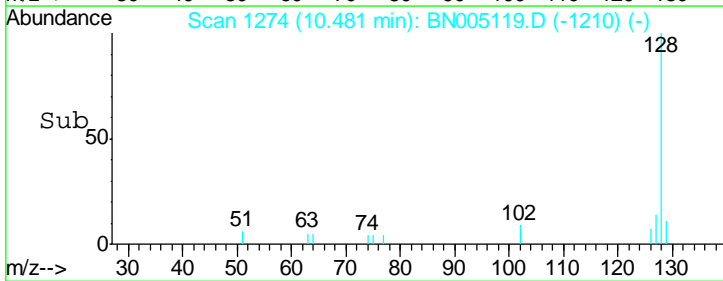
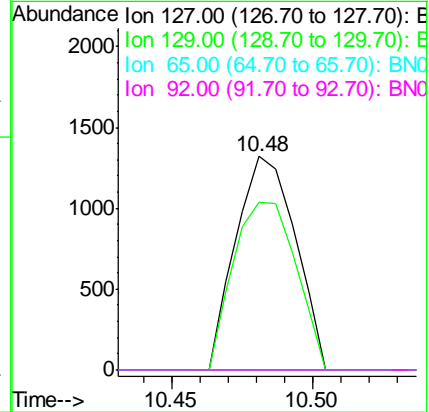
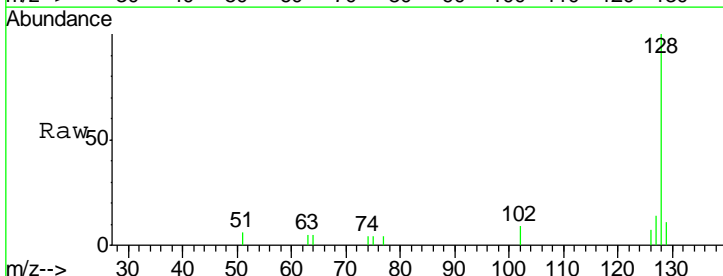
Instrument :
 BNA_N
 ClientSampled :

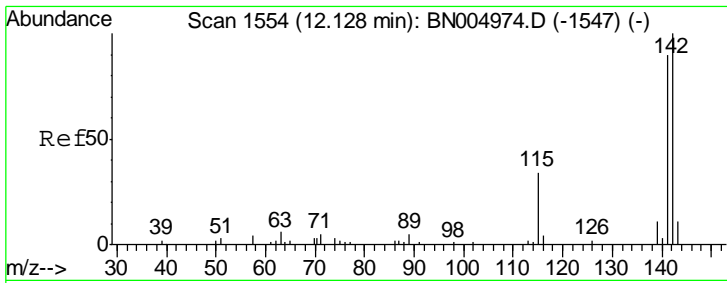
Tgt Ion	Resp	Lower	Upper
128	15994		
129	10.7	8.7	13.1
127	13.7	10.8	16.2



#33
 4-Chloroaniline
 Concen: 2.457 ng
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.15 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
127	1932		
129	78.6	25.9	38.9#
65	0.0	21.4	32.0#
92	0.0	15.3	22.9#

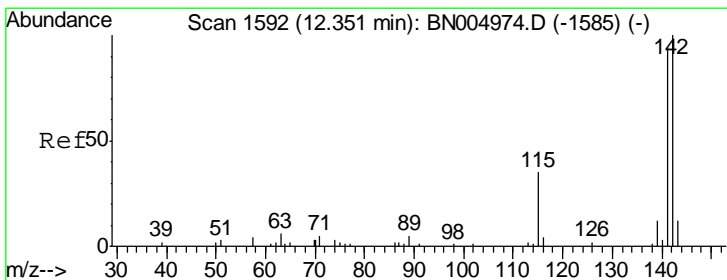
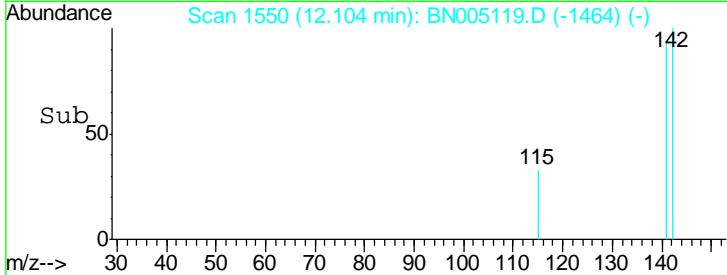
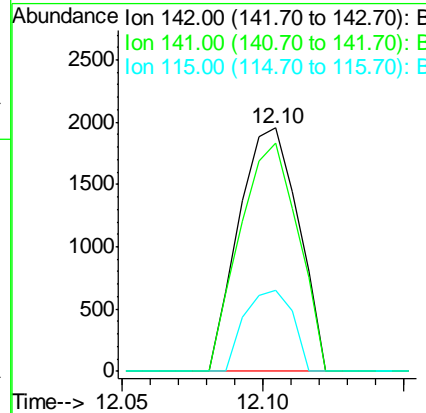
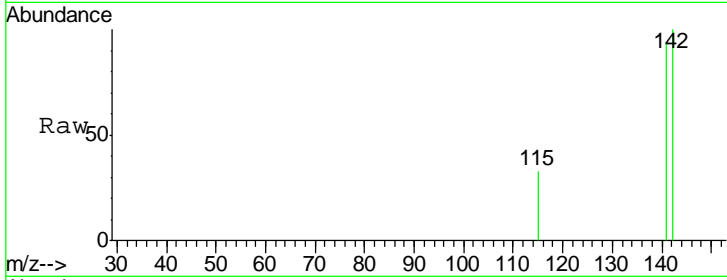




#37
 2-Methylnaphthalene
 Concen: 2.095 ng
 RT: 12.10 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

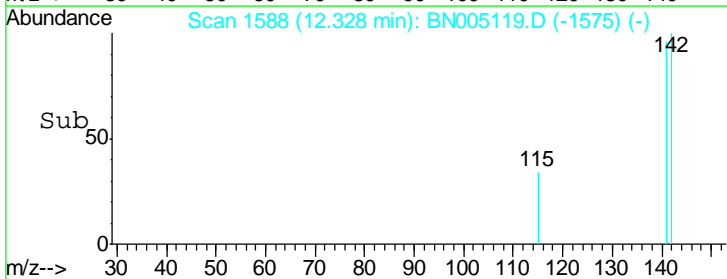
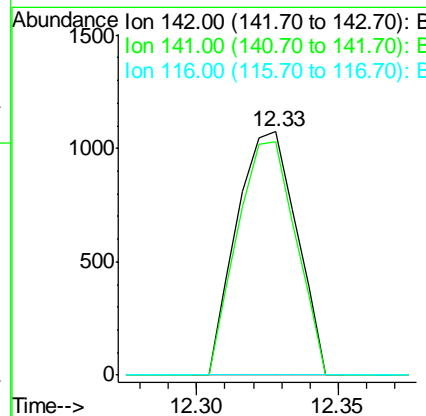
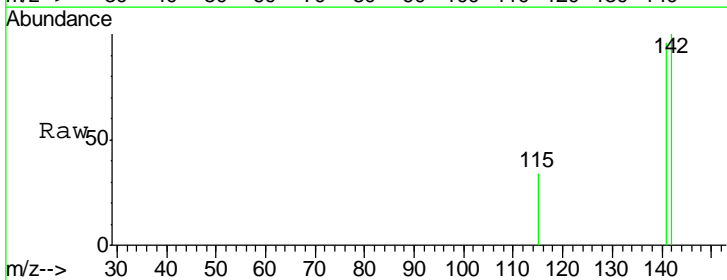
Instrument :
 BNA_N
 ClientSampled :

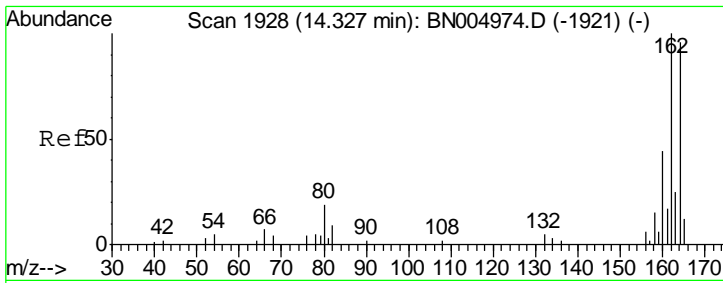
Tgt Ion	Resp	Lower	Upper
142	100		
141	93.9	71.8	107.8
115	33.4	27.0	40.4



#38
 1-Methylnaphthalene
 Concen: 1.182 ng
 RT: 12.33 min Scan# 1588
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
142	100		
141	95.9	74.9	112.3
116	0.0	3.0	4.4#

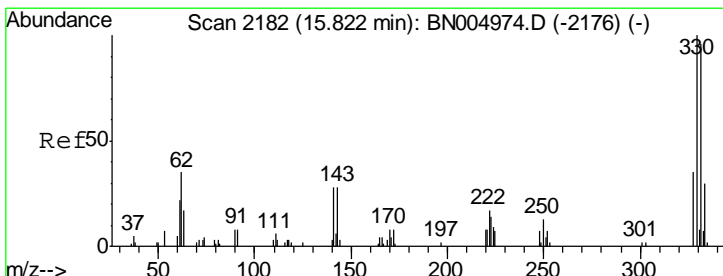
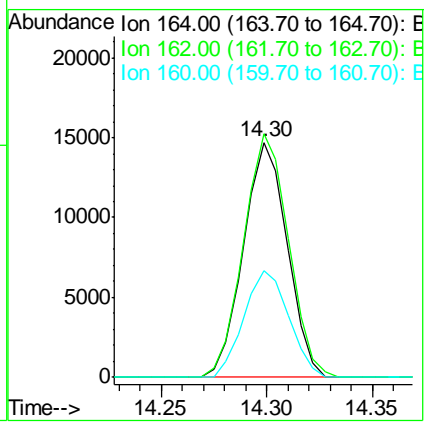
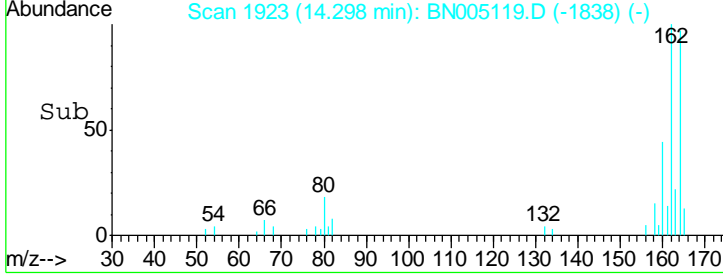
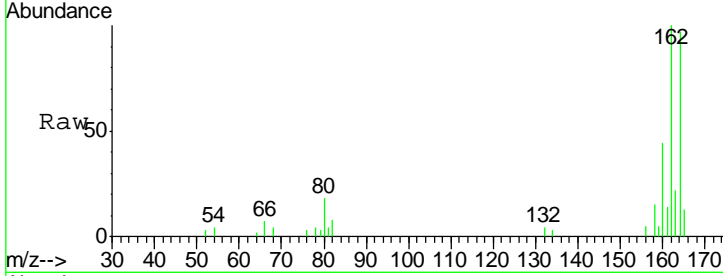




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

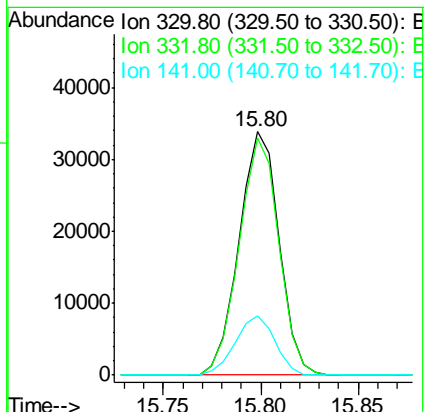
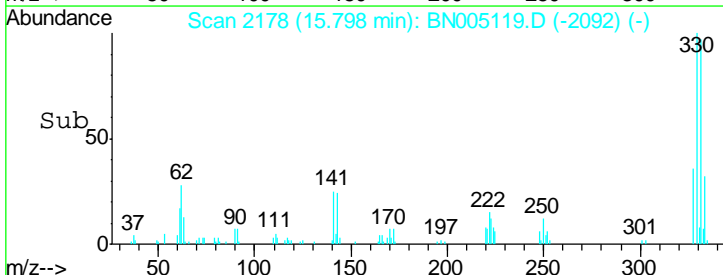
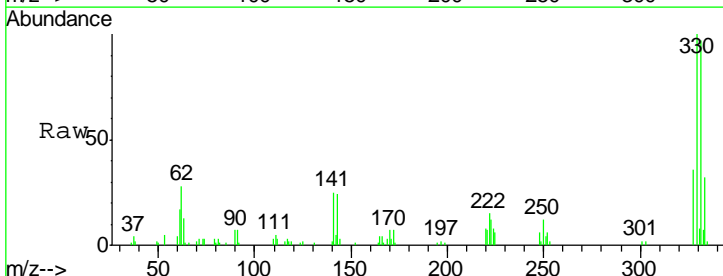
Instrument :
 BNA_N
 ClientSampled :

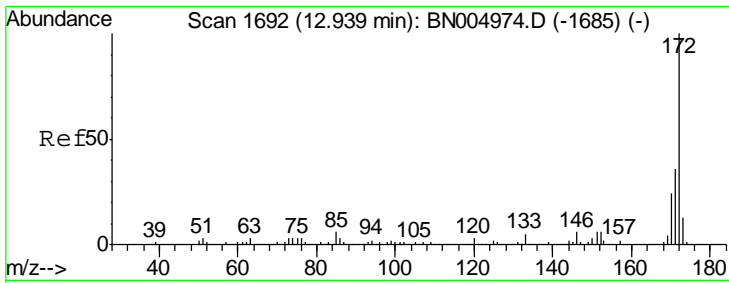
Tgt Ion	Resp	Lower	Upper
164	100		
162	103.6	83.4	125.0
160	45.5	36.6	55.0



#42
 2,4,6-Tribromophenol
 Concen: 140.617 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	24.2	22.1	33.1

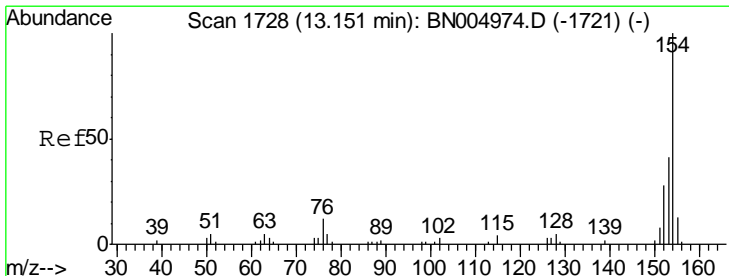
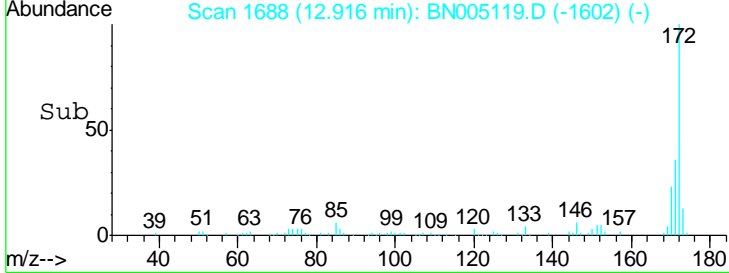
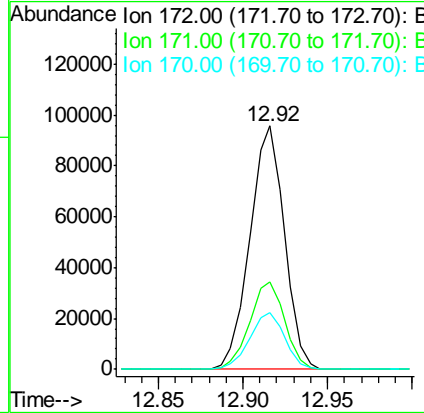
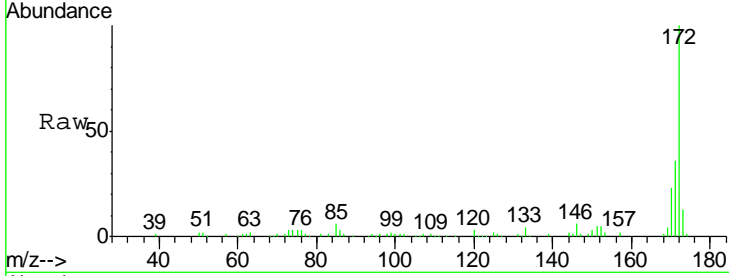




#45
 2-Fluorobiphenyl
 Concen: 85.231 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

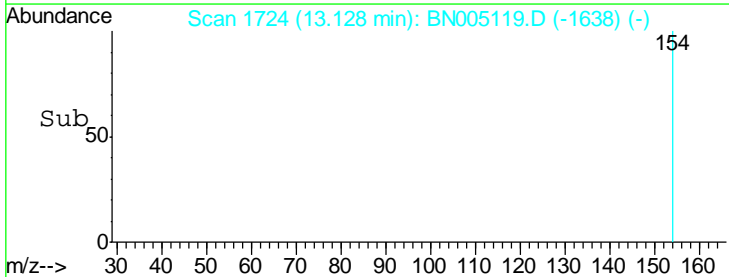
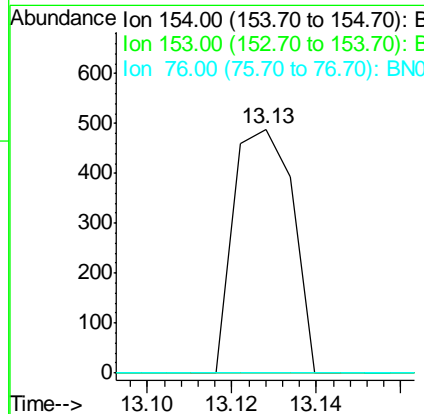
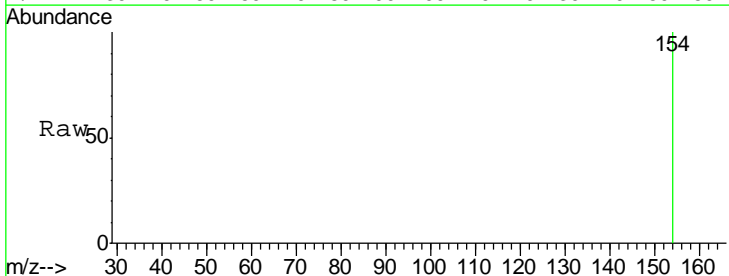
Instrument :
 BNA_N
 ClientSampled :

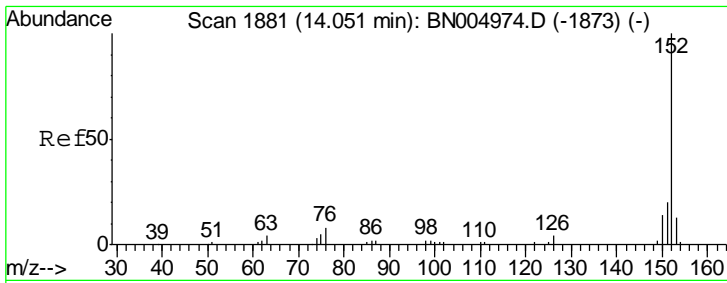
Tgt Ion	Resp	Lower	Upper
172	136042		
171	36.1	28.6	42.8
170	23.5	18.9	28.3



#46
 1,1'-Biphenyl
 Concen: 0.264 ng
 RT: 13.13 min Scan# 1724
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
154	473		
153	0.0	21.2	61.2#
76	0.0	0.0	32.2

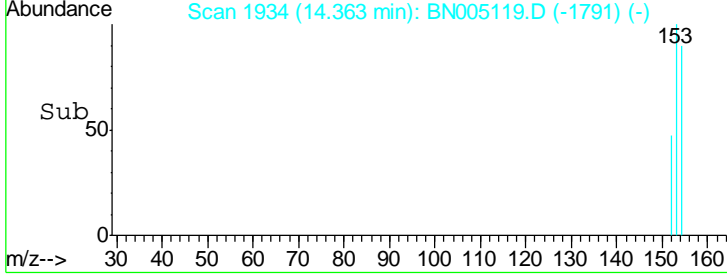
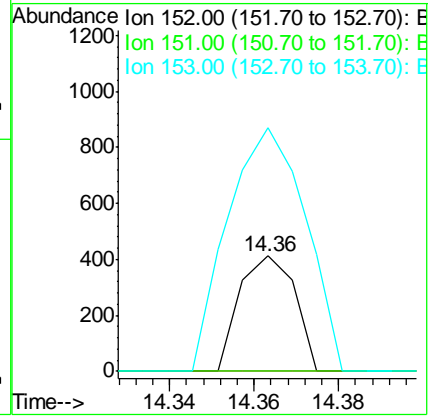
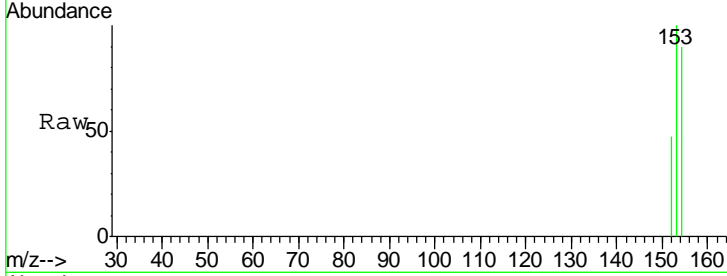




#49
 Acenaphthylene
 Concen: 0.163 ng
 RT: 14.36 min Scan# 1934
 Delta R.T. 0.31 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

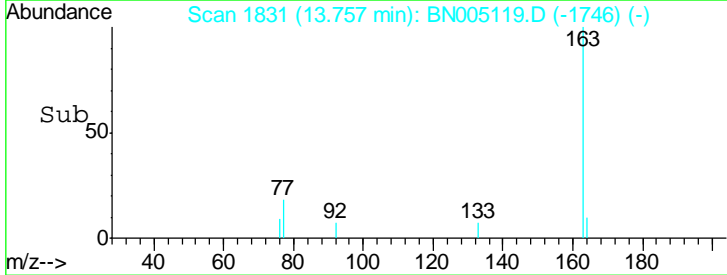
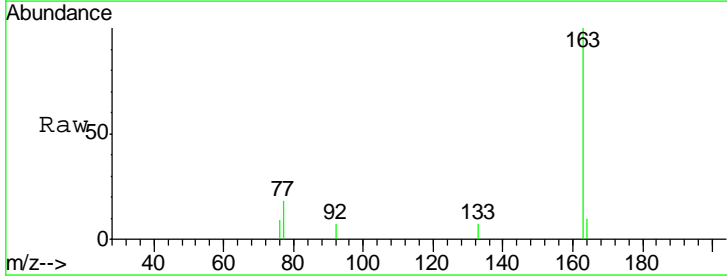
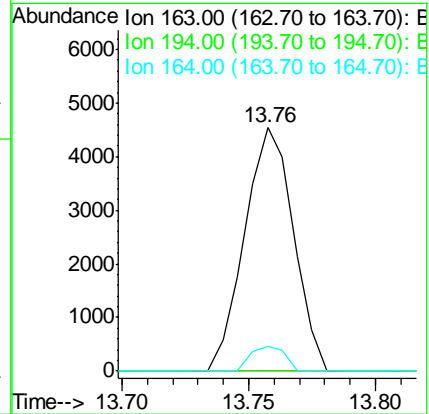
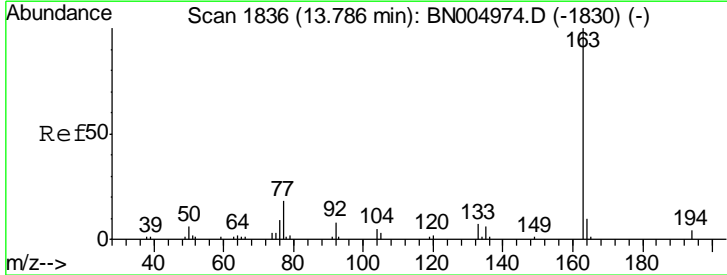
Instrument :
 BNA_N
 ClientSampled :

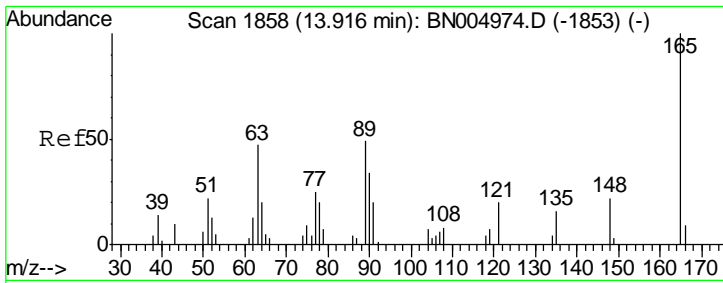
Tgt Ion	Resp	Lower	Upper
152	100		
151	0.0	16.2	24.2#
153	211.7	10.3	15.5#



#50
 Dimethylphthalate
 Concen: 3.509 ng
 RT: 13.76 min Scan# 1831
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
163	100		
194	0.0	3.4	5.0#
164	9.9	8.3	12.5

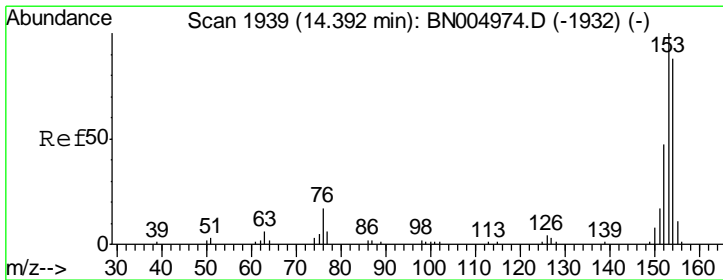
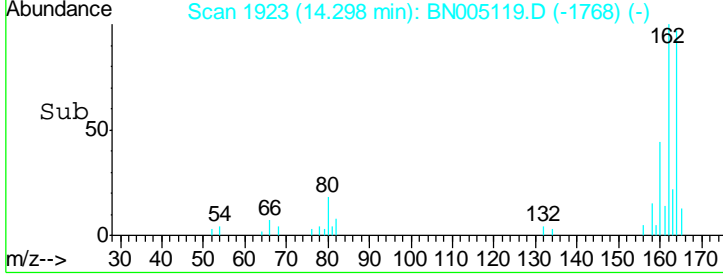
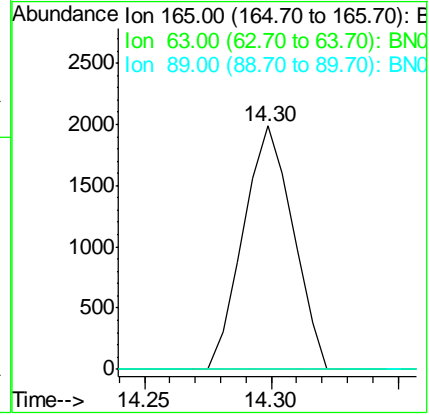
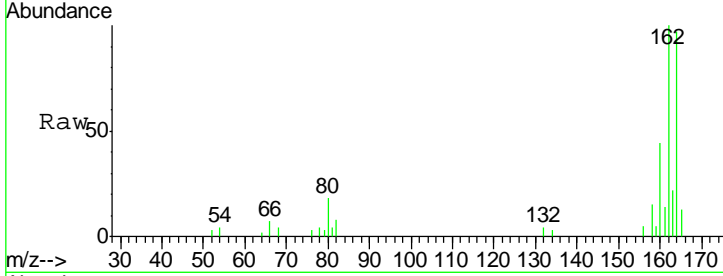




#51
 2,6-Dinitrotoluene
 Concen: 6.856 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.38 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

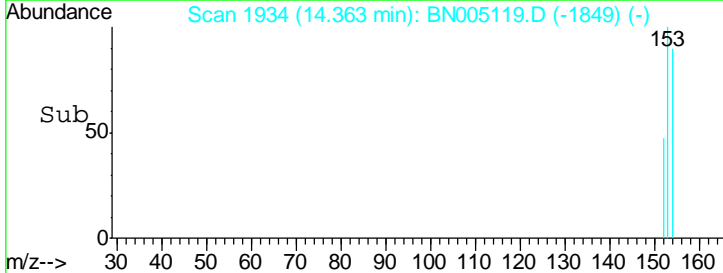
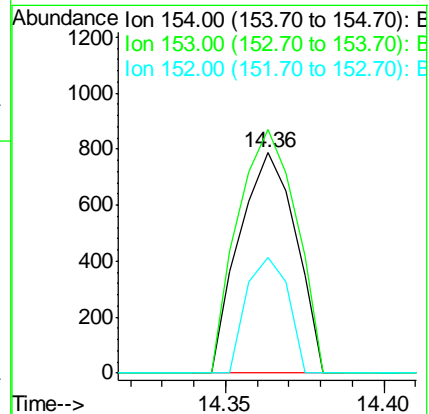
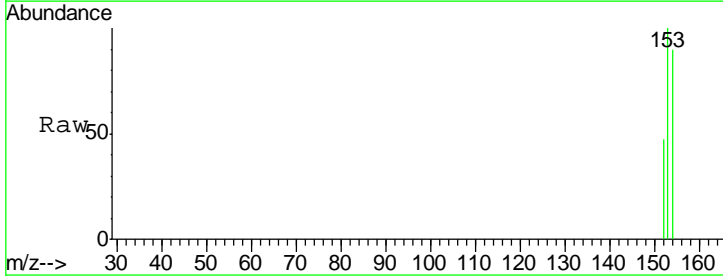
Instrument :
 BNA_N
 ClientSampled :

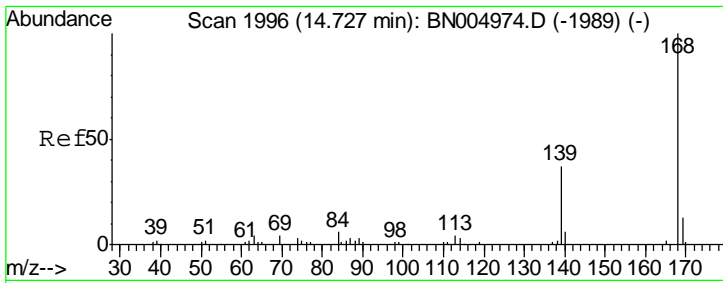
Tgt Ion	Resp	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	39.2	58.8#



#52
 Acenaphthene
 Concen: 0.750 ng
 RT: 14.36 min Scan# 1934
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
154	100		
153	110.7	91.0	136.4
152	52.3	43.0	64.4

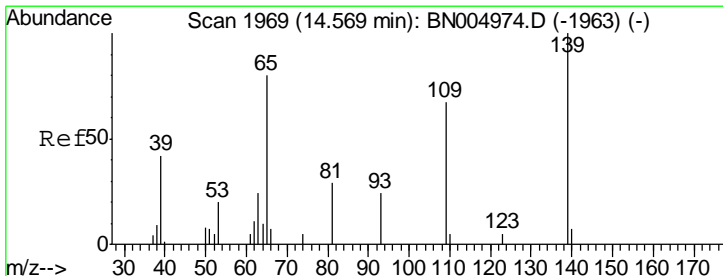
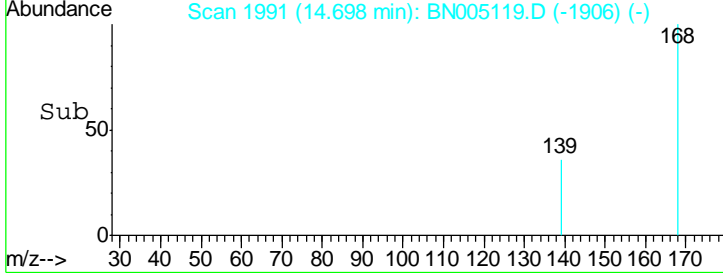
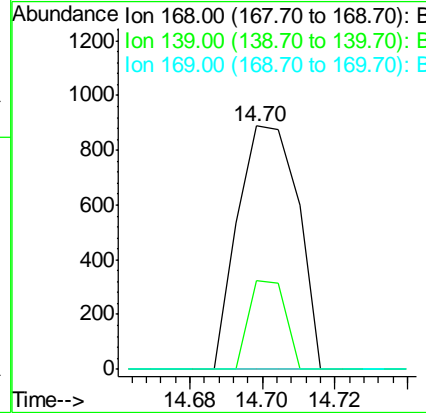
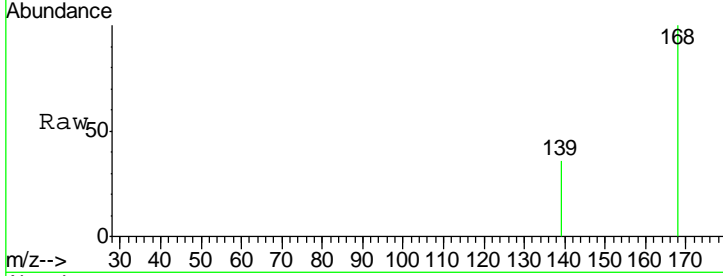




#55
 Dibenzofuran
 Concen: 0.494 ng
 RT: 14.70 min Scan# 1991
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

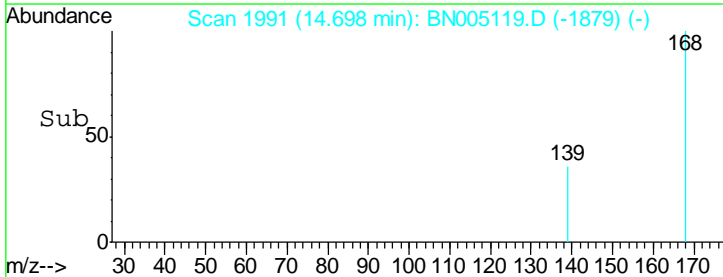
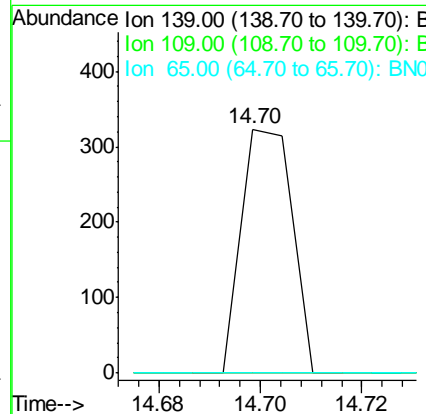
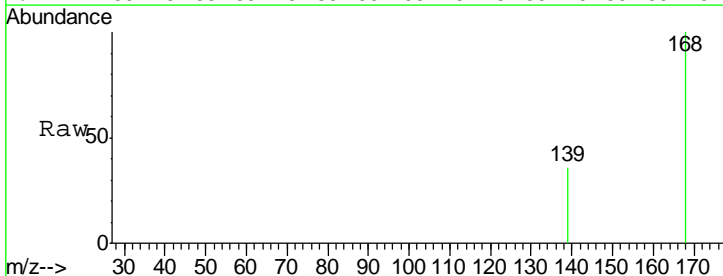
Instrument :
 BNA_N
 ClientSampled :

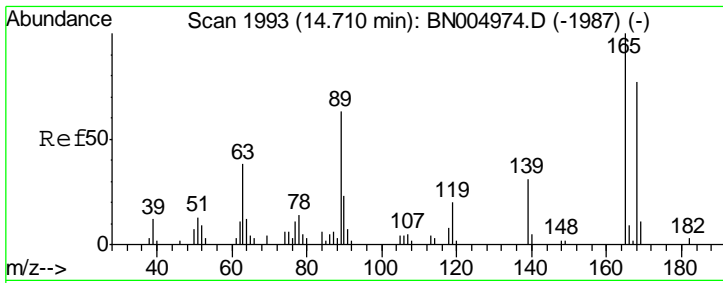
Tgt Ion	Resp	Lower	Upper
168	1022		
139	36.3	29.9	44.9
169	0.0	10.6	15.8#



#56
 4-Nitrophenol
 Concen: 0.707 ng
 RT: 14.70 min Scan# 1991
 Delta R.T. 0.13 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
139	225		
109	100	46.5	86.5#
65	0.0	59.5	99.5#

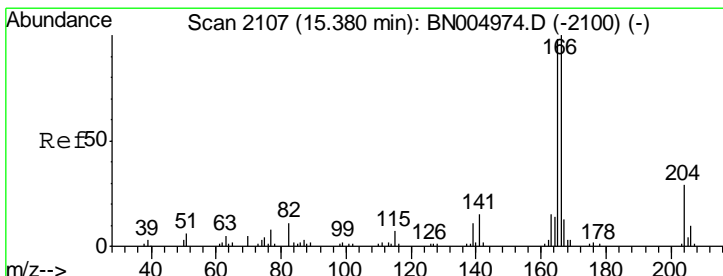
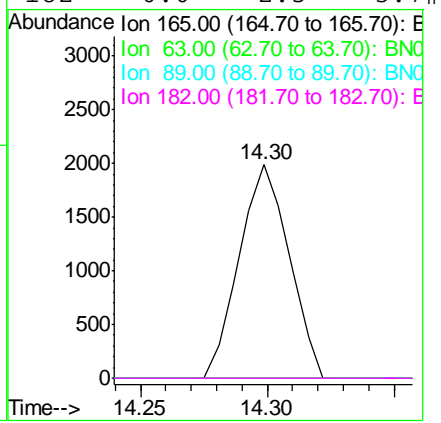
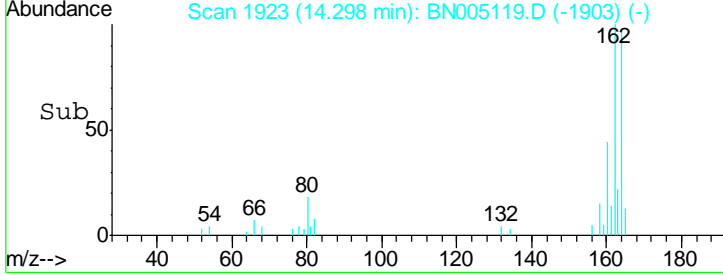
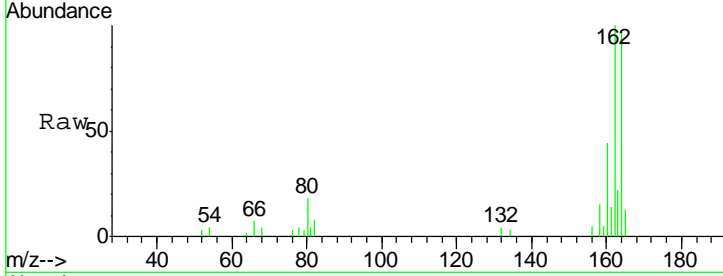




#57
 2,4-Dinitrotoluene
 Concen: 5.045 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.41 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

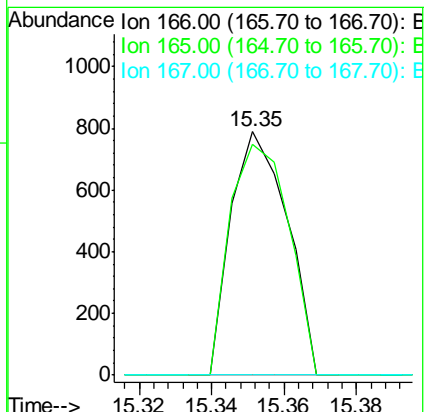
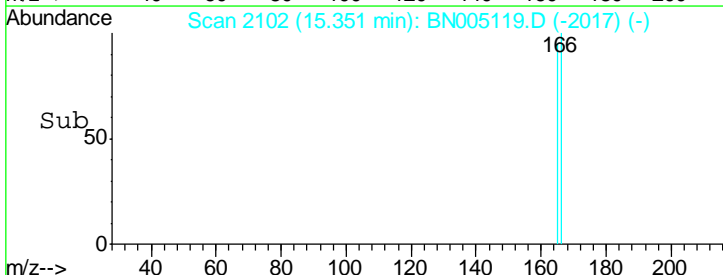
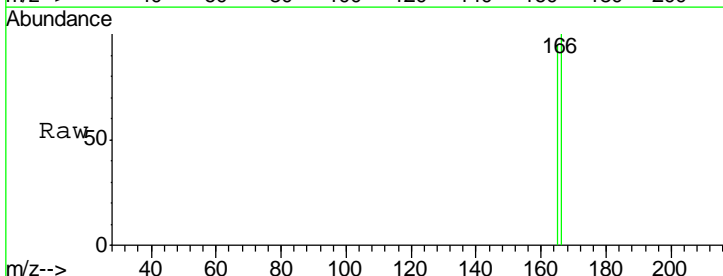
Instrument :
 BNA_N
 ClientSampled :

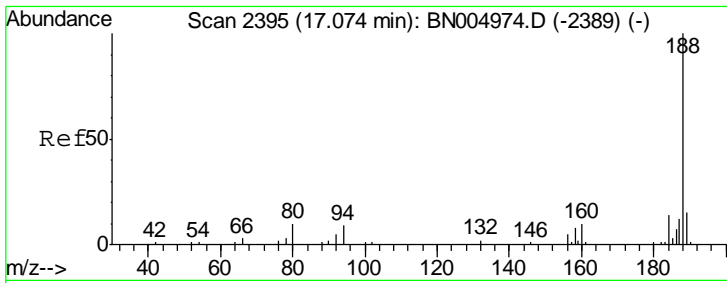
Tgt Ion	Resp	Lower	Upper
165	100		
63	0.0	30.4	45.6#
89	0.0	50.7	76.1#
182	0.0	2.5	3.7#



#58
 Fluorene
 Concen: 0.508 ng
 RT: 15.35 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
166	100		
165	95.1	78.3	117.5
167	0.0	10.6	15.8#

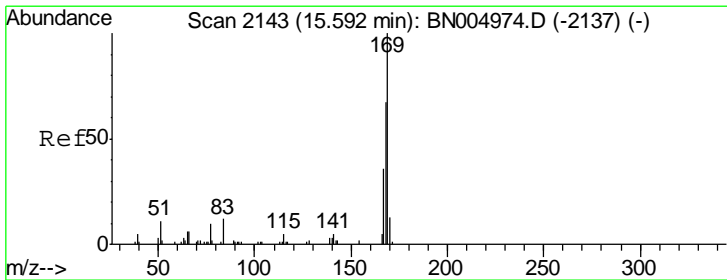
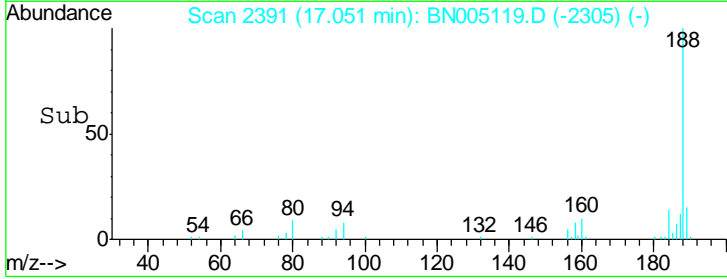
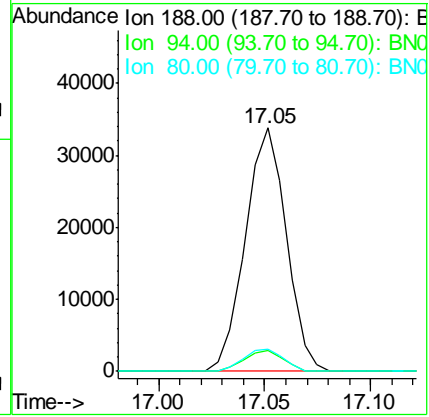
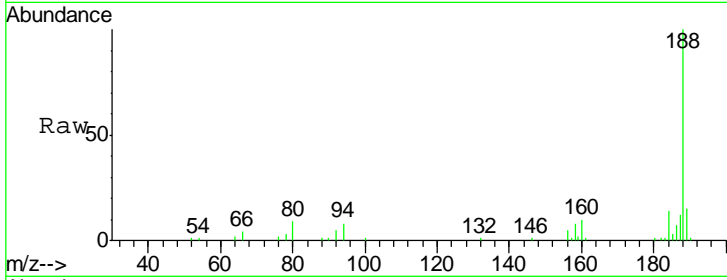




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2391
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

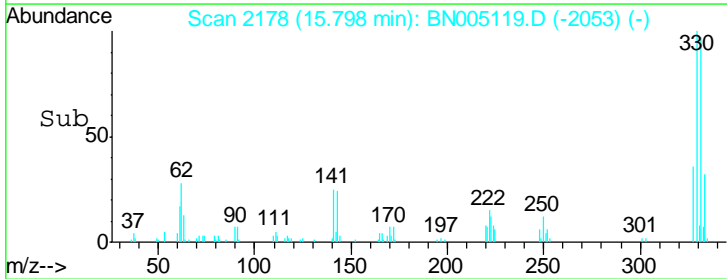
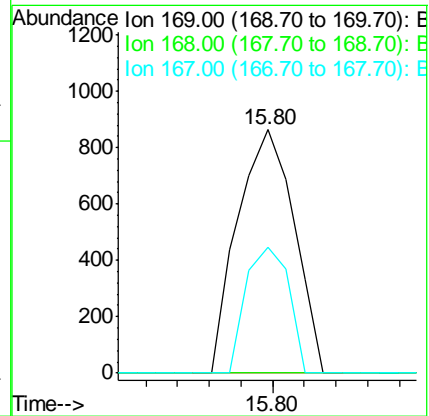
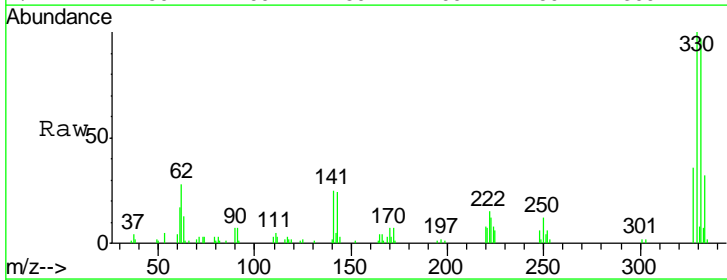
Instrument :
 BNA_N
 ClientSampled :

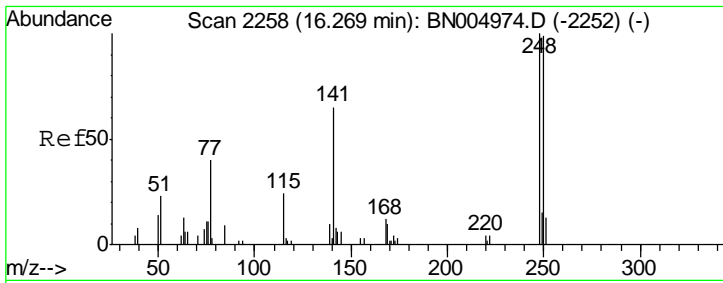
Tgt Ion	Resp	Lower	Upper
188	100		
94	8.3	7.2	10.8
80	9.3	7.8	11.6



#66
 n-Nitrosodiphenylamine
 Concen: 0.745 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. 0.21 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
169	100		
168	0.0	53.4	80.2#
167	51.5	28.9	43.3#

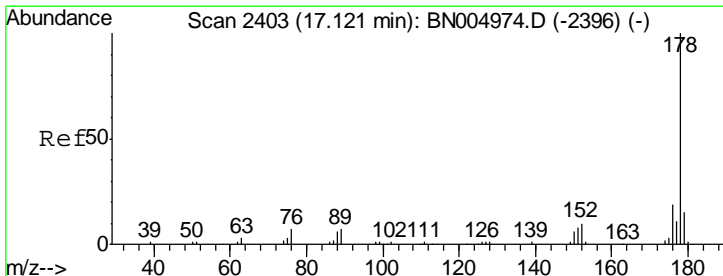
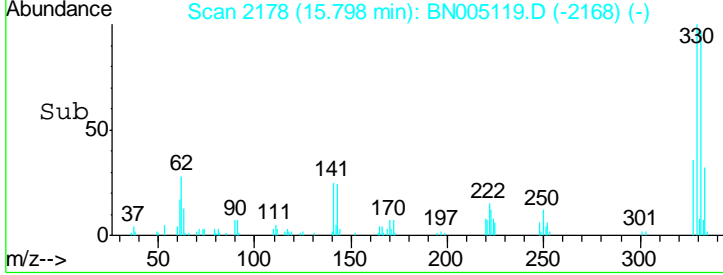
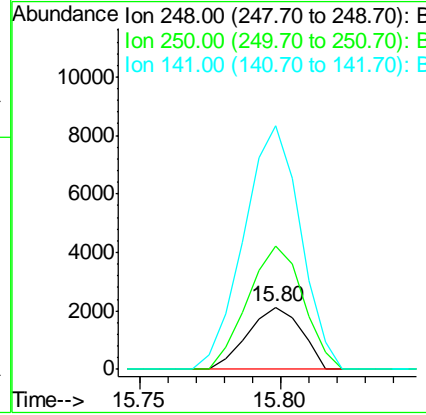
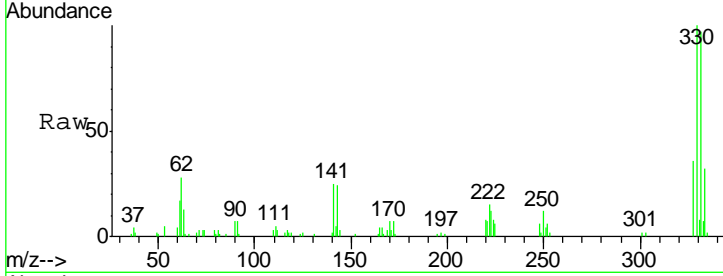




#67
 4-Bromophenyl-phenylether
 Concen: 4.940 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.47 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

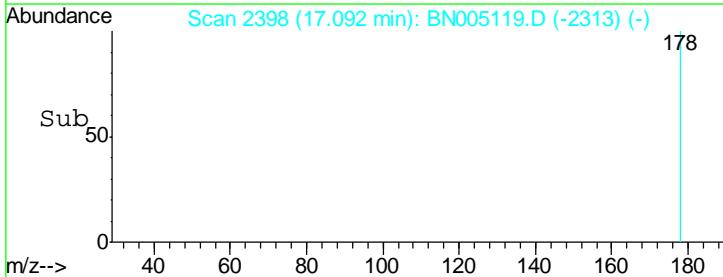
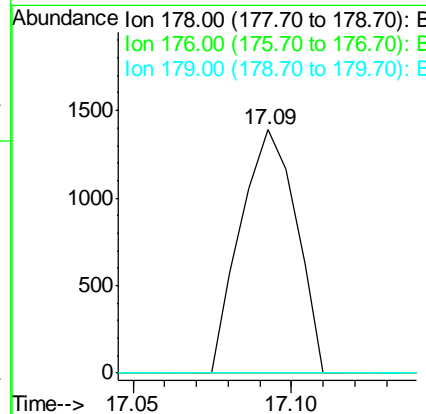
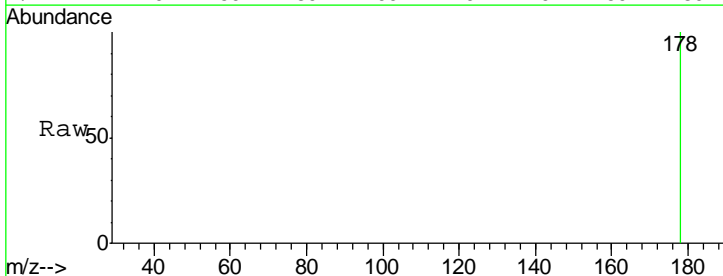
Instrument :
 BNA_N
 ClientSampled :

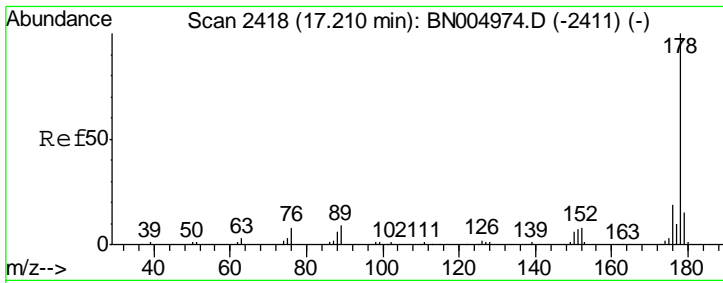
Tgt Ion	Resp	Lower	Upper
248	100		
250	197.6	79.4	119.2#
141	389.9	52.3	78.5#



#71
 Phenanthrene
 Concen: 0.664 ng
 RT: 17.09 min Scan# 2398
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
178	100		
176	0.0	15.4	23.2#
179	0.0	12.3	18.5#

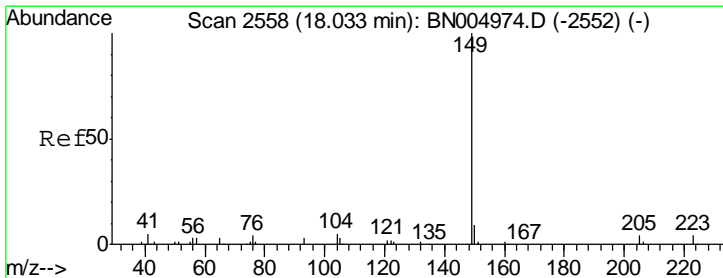
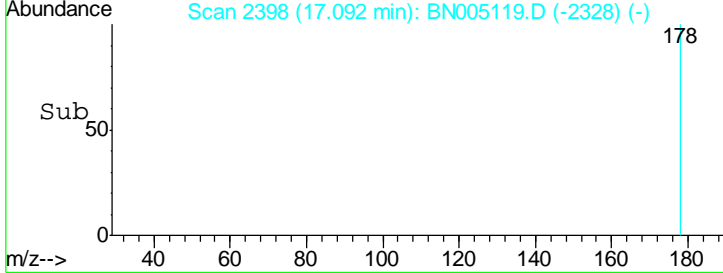
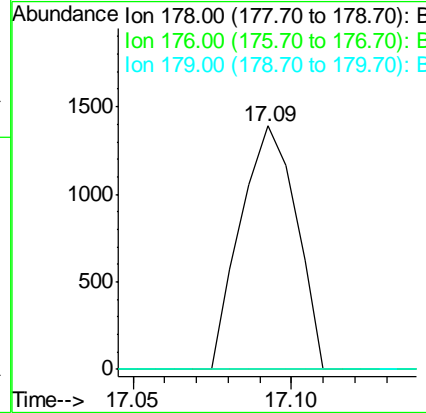
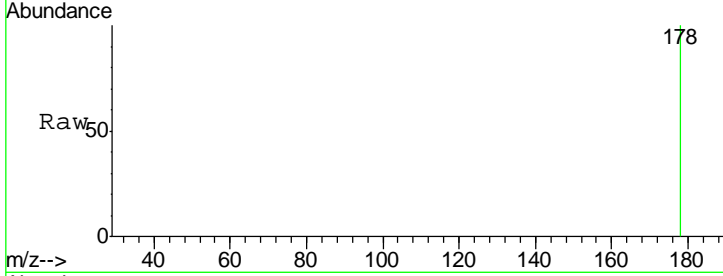




#72
 Anthracene
 Concen: 0.667 ng
 RT: 17.09 min Scan# 2398
 Delta R.T. -0.12 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

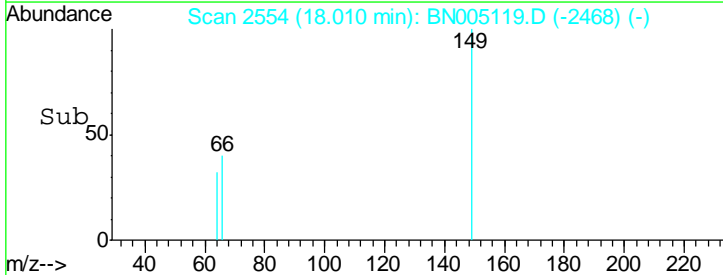
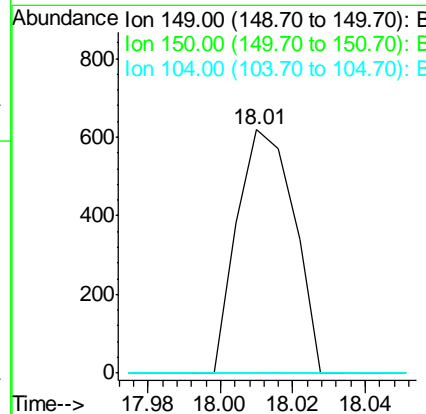
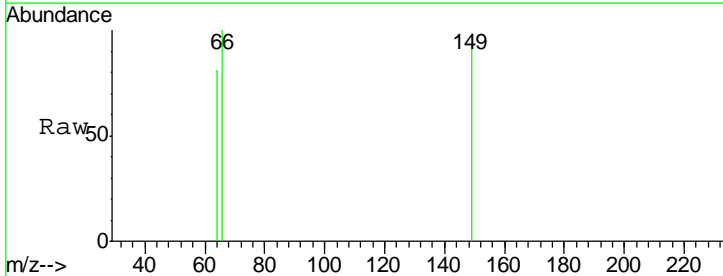
Instrument :
 BNA_N
 ClientSampled :

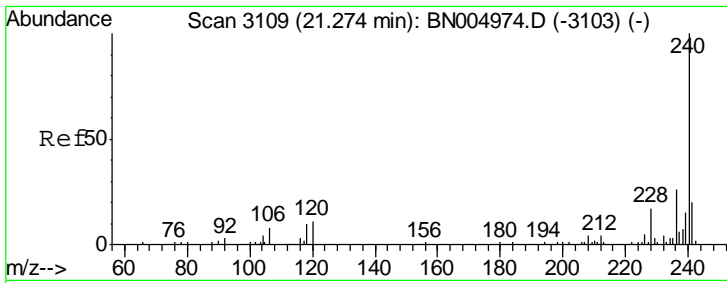
Tgt Ion	Resp	Lower	Upper
178	1697		
176	0.0	15.0	22.4#
179	0.0	12.3	18.5#



#74
 Di-n-butylphthalate
 Concen: 0.239 ng
 RT: 18.01 min Scan# 2554
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
149	675		
150	0.0	7.4	11.0#
104	0.0	3.7	5.5#

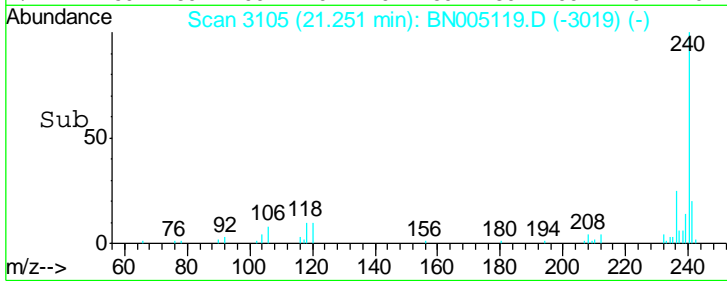
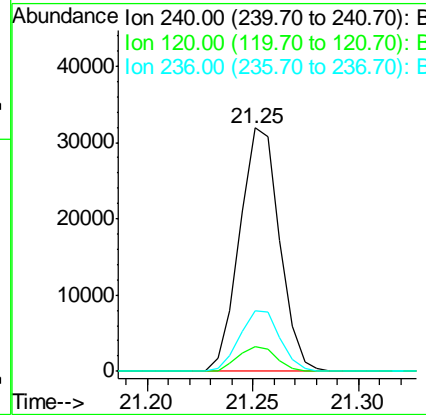
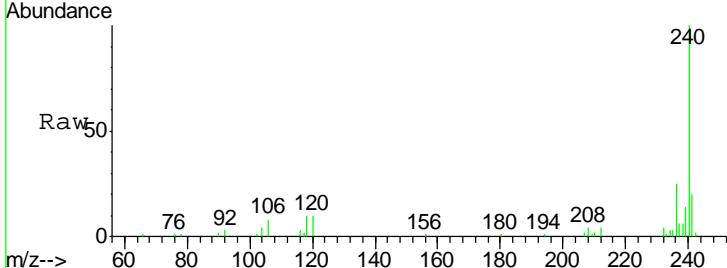




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

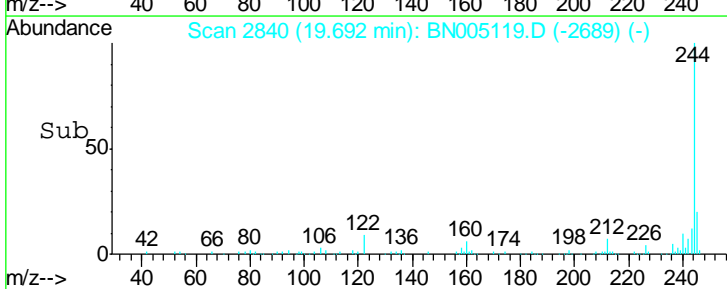
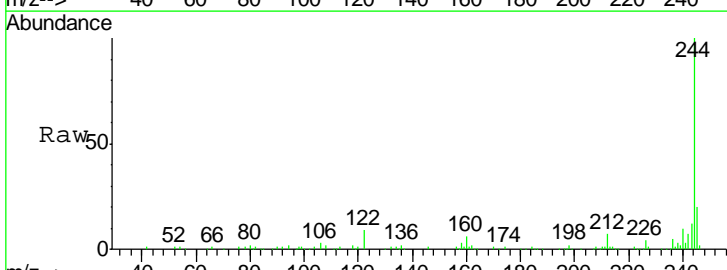
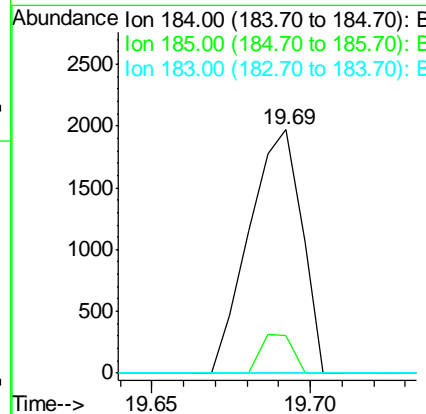
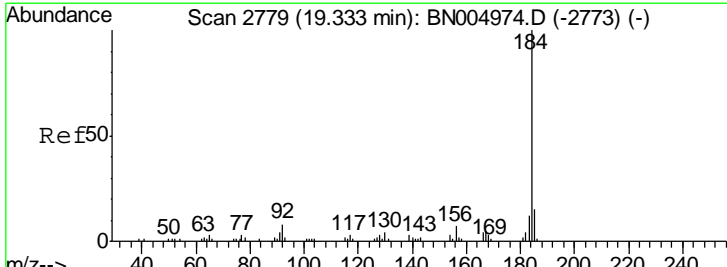
Instrument :
 BNA_N
 ClientSampled :

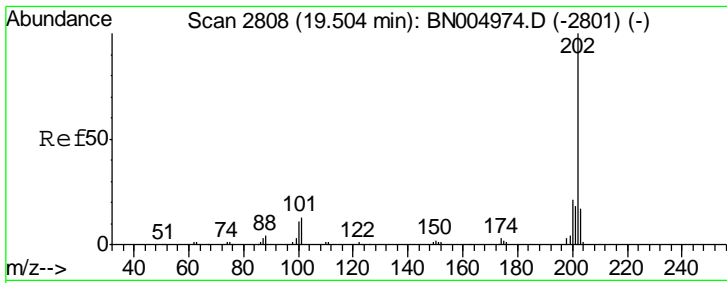
Tgt Ion	Resp	Lower	Upper
240	41623		
240	100		
120	10.4	8.5	12.7
236	25.0	21.2	31.8



#77
 Benzidine
 Concen: 1.751 ng
 RT: 19.69 min Scan# 2840
 Delta R.T. 0.36 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
184	2271		
184	100		
185	15.6	11.8	17.8
183	0.0	9.9	14.9#

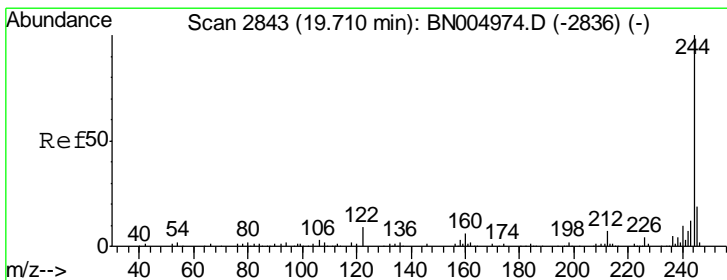
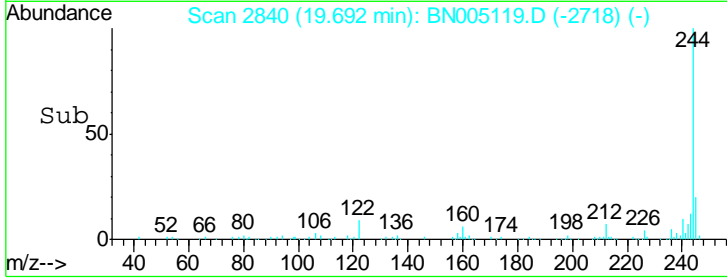
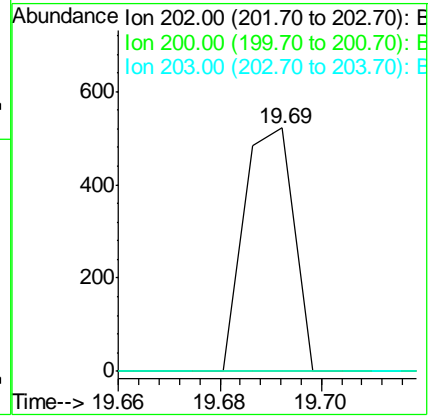
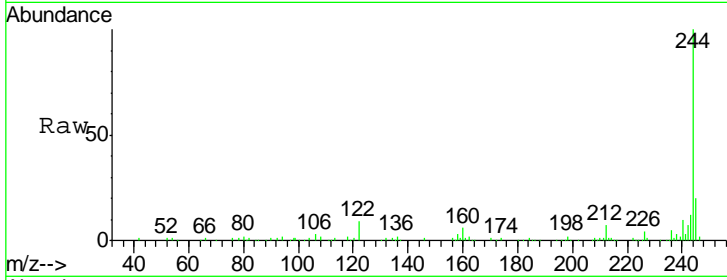




#78
 Pyrene
 Concen: 0.128 ng
 RT: 19.69 min Scan# 2840
 Delta R.T. 0.19 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

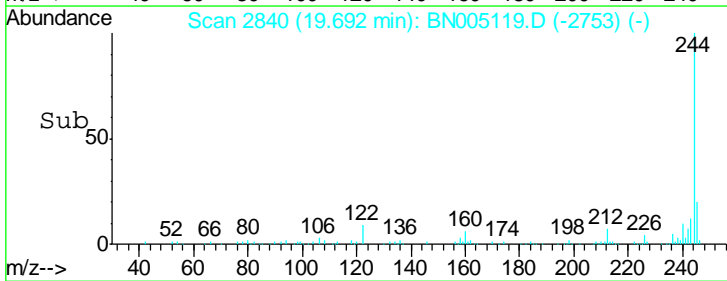
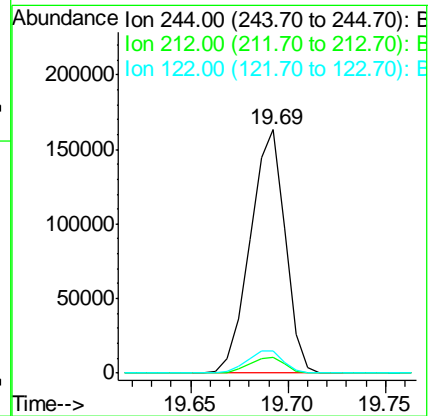
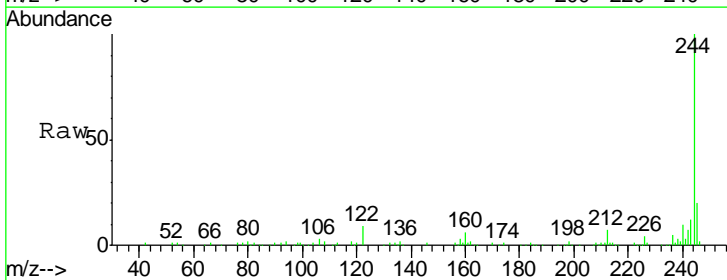
Instrument :
 BNA_N
 ClientSampled :

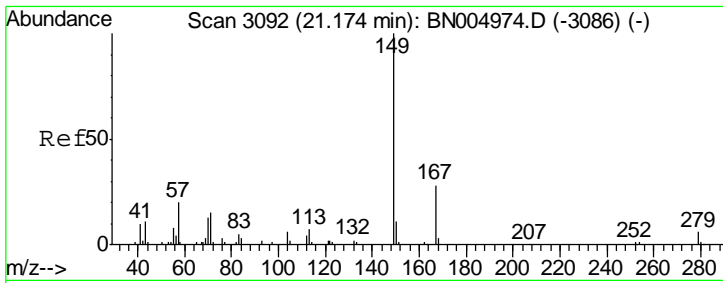
Tgt Ion	Resp	Lower	Upper
202	100		
200	0.0	17.0	25.4#
203	0.0	14.0	21.0#



#79
 Terphenyl-d14
 Concen: 93.407 ng
 RT: 19.69 min Scan# 2840
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.3	7.4	11.2

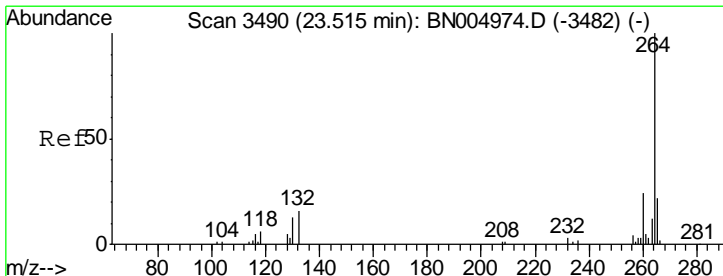
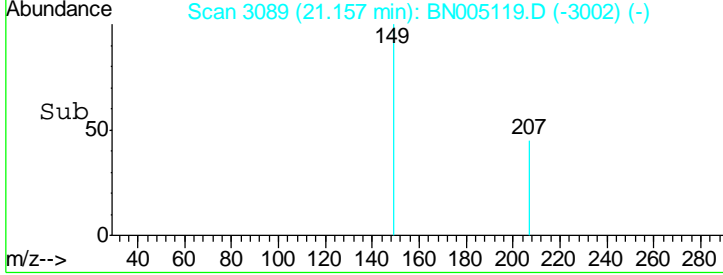
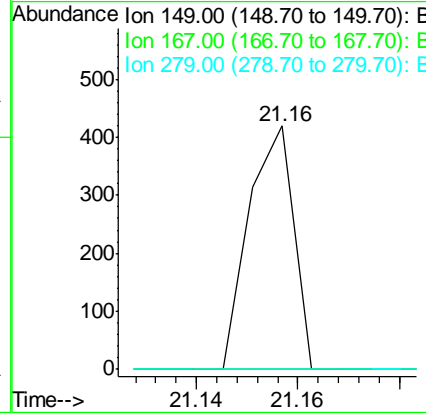
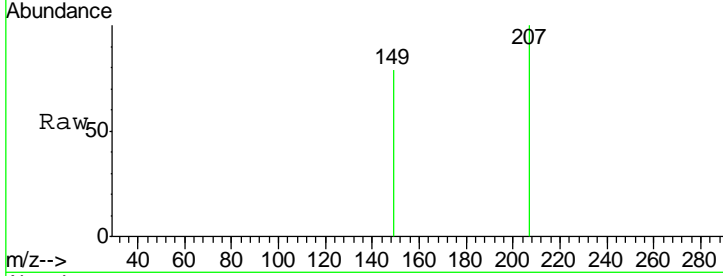




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.166 ng
 RT: 21.16 min Scan# 3089
 Delta R.T. -0.02 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Instrument :
 BNA_N
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
149	100		
167	0.0	22.5	33.7#
279	0.0	4.5	6.7#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.49 min Scan# 3485
 Delta R.T. -0.03 min
 Lab File: BN005119.D
 Acq: 09 Apr 2019 19:02

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.3	17.2	25.8

