

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032619\
 Data File : BN004984.D
 Acq On : 26 Mar 2019 20:46
 Operator : JU/SJ
 Sample : PB118232BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB118232BL

Quant Time: Mar 27 05:10:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 16:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	11164	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	43589	20.00	ng	-0.01
39) Acenaphthene-d10	14.32	164	24922	20.00	ng	-0.01
64) Phenanthrene-d10	17.07	188	58346	20.00	ng	0.00
76) Chrysene-d12	21.27	240	62178	20.00	ng	0.00
87) Perylene-d12	23.52	264	62175	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	80660	124.91	ng	0.00
7) Phenol-d6	6.85	99	103625	120.99	ng	0.00
23) Nitrobenzene-d5	8.83	82	59273	82.26	ng	-0.01
42) 2,4,6-Tribromophenol	15.82	330	54061	134.50	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	157392	83.69	ng	0.00
79) Terphenyl-d14	19.71	244	256578	79.45	ng	0.00

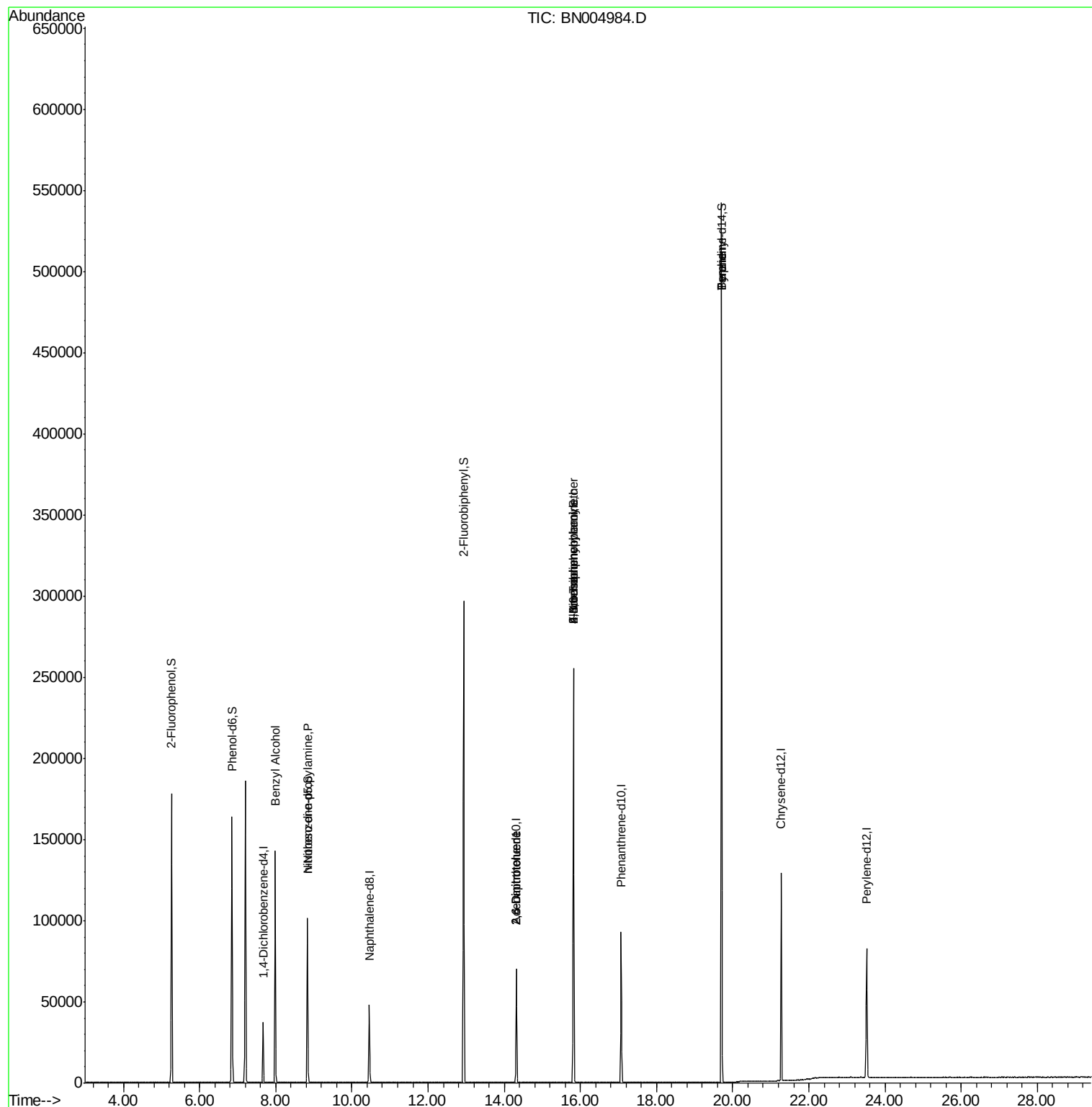
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.99	79	747	1.146	ng	# 17
19) n-Nitroso-di-n-propylamine	8.83	70	7626	13.582	ng	# 73
51) 2,6-Dinitrotoluene	14.32	165	3066	6.581	ng	# 29
57) 2,4-Dinitrotoluene	14.32	165	3066	4.842	ng	# 27
58) Fluorene	15.82	166	1914	0.972	ng	# 88
66) n-Nitrosodiphenylamine	15.82	169	1305	0.710	ng	# 36
67) 4-Bromophenyl-phenylether	15.82	248	3362	4.617	ng	# 1
77) Benzidine	19.71	184	3146	1.624	ng	# 82
78) Pyrene	19.71	202	744	0.179	ng	# 50

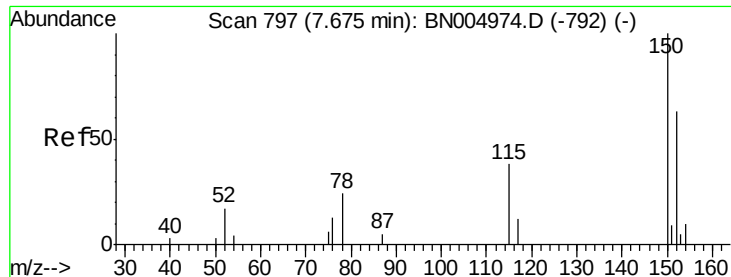
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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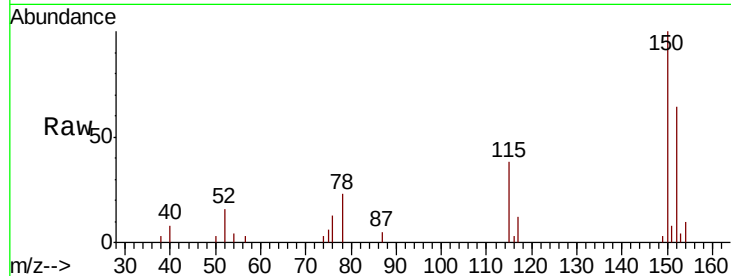


#1

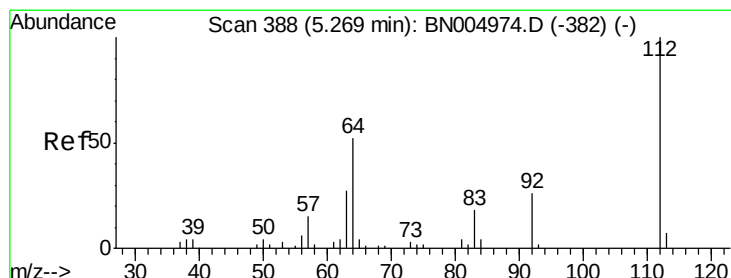
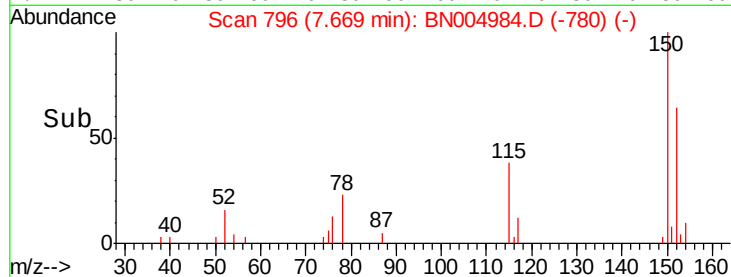
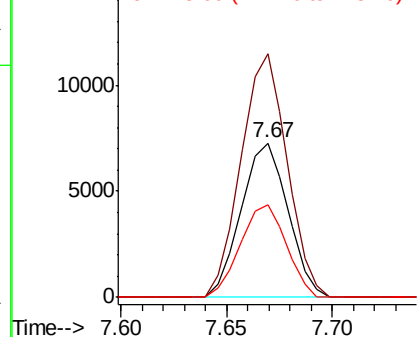
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.67 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Instrument :
 BNA_N
 ClientSampleId :
 PB118232BL

Tgt Ion:152 Resp: 11164
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.9 190.3
 115 59.7 47.8 71.6



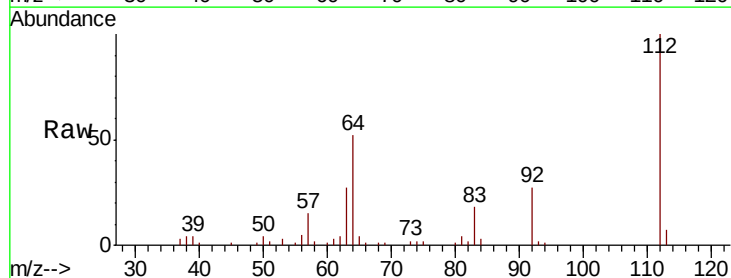
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



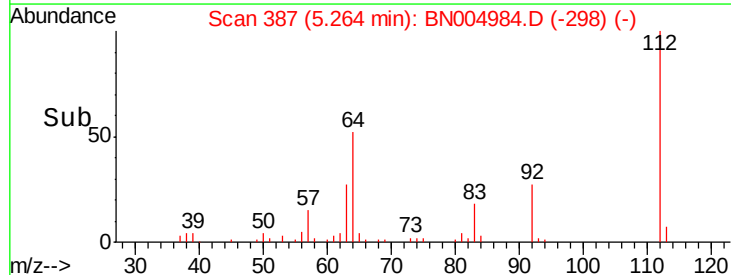
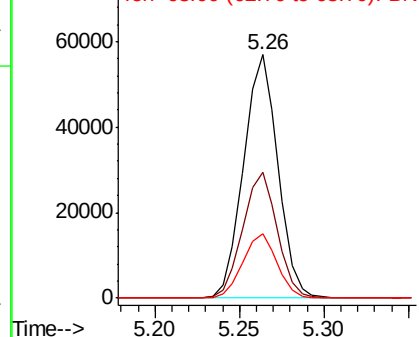
#5

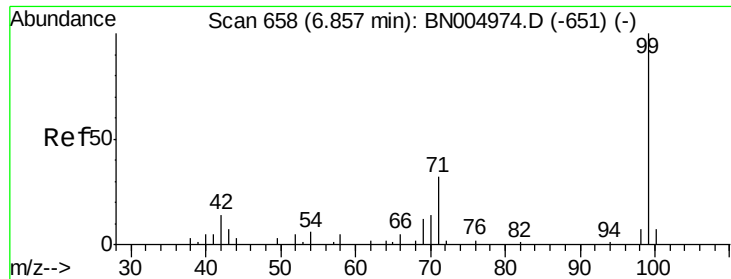
2-Fluorophenol
 Concen: 124.913 ng
 RT: 5.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Tgt Ion:112 Resp: 80660
 Ion Ratio Lower Upper
 112 100
 64 51.9 41.9 62.9
 63 26.7 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: 120.993 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BN004984.D

Acq: 26 Mar 2019 20:46

Instrument :

BNA_N

ClientSampleId :

PB118232BL

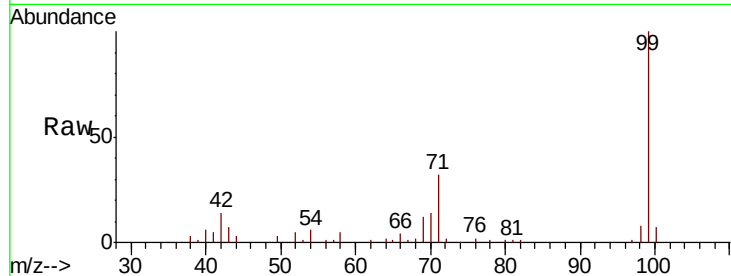
Tgt Ion: 99 Resp: 103625

Ion Ratio Lower Upper

99 100

42 14.2 11.4 17.0

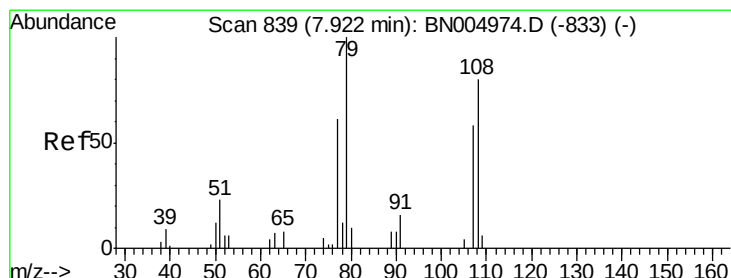
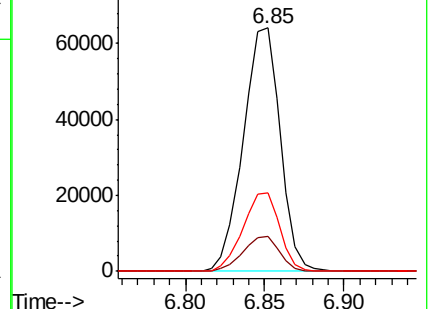
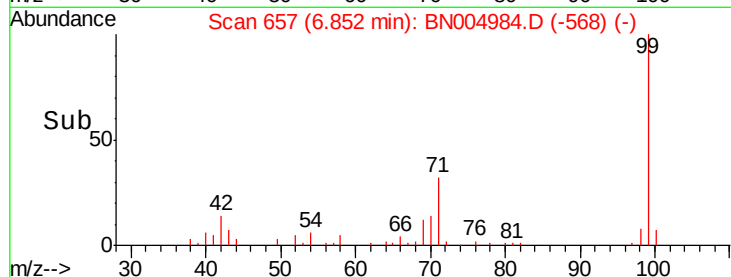
71 32.2 25.8 38.8



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: 1.146 ng

RT: 7.99 min Scan# 850

Delta R.T. 0.06 min

Lab File: BN004984.D

Acq: 26 Mar 2019 20:46

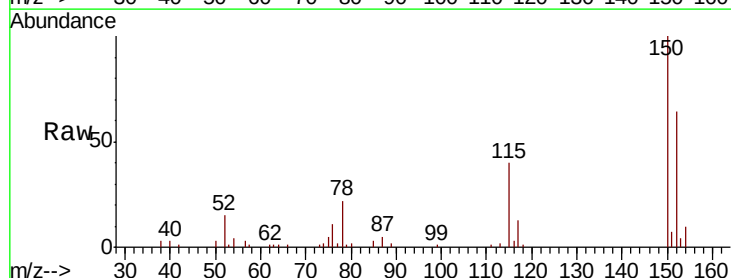
Tgt Ion: 79 Resp: 747

Ion Ratio Lower Upper

79 100

108 0.0 64.0 96.0#

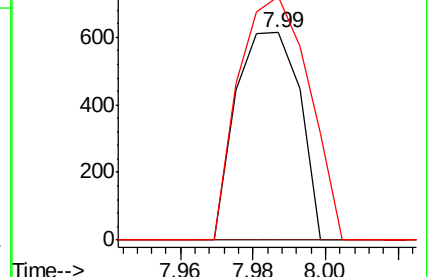
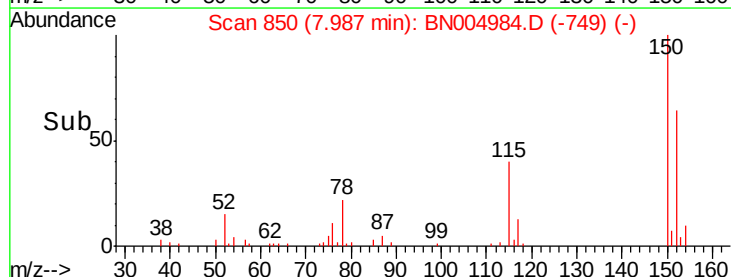
77 117.4 48.8 73.2#

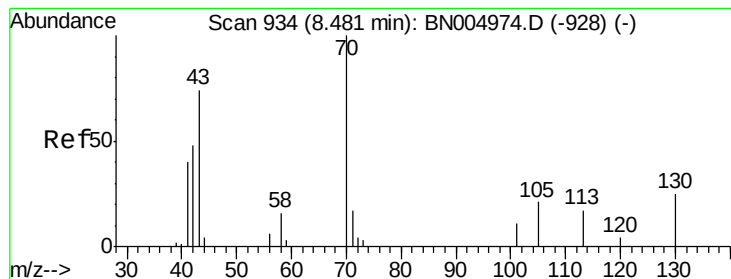


Abundance Ion 79.00 (78.70 to 79.70): BN004974.D (-833) (-)

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: 13.582 ng

RT: 8.83 min Scan# 994

Delta R.T. 0.35 min

Lab File: BN004984.D

Acq: 26 Mar 2019 20:46

Instrument :

BNA_N

ClientSampleId :

PB118232BL

Tgt Ion: 70 Resp: 7626

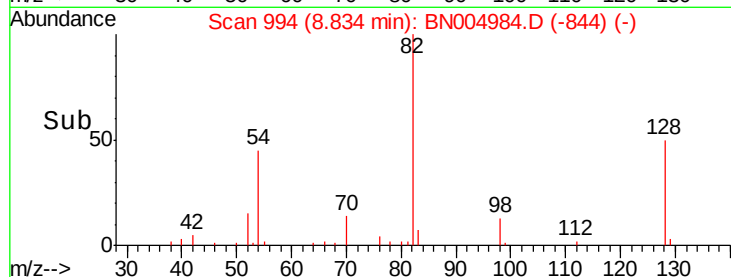
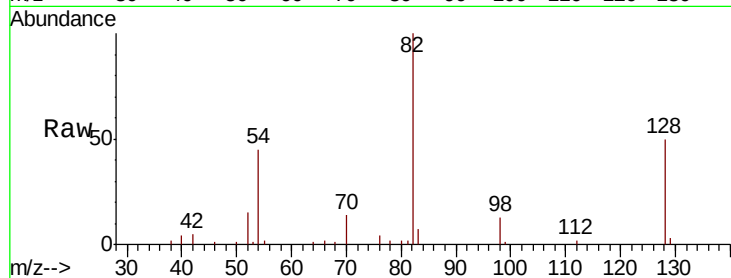
Ion Ratio Lower Upper

70 100

42 38.4 38.4 57.6

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

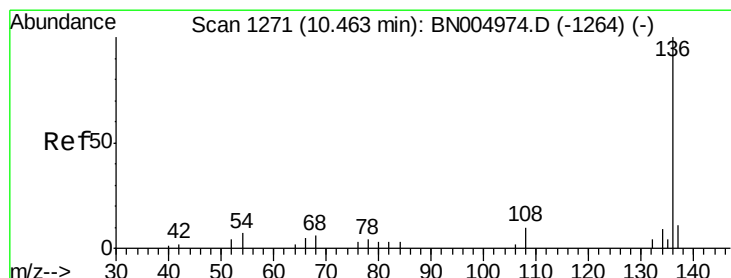
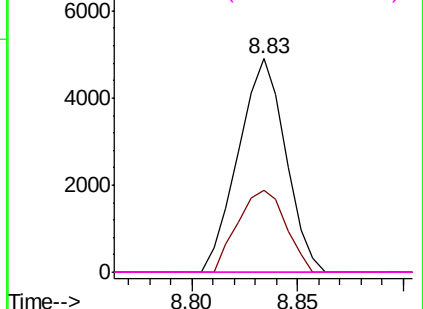


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BN004984.D

Acq: 26 Mar 2019 20:46

Tgt Ion: 136 Resp: 43589

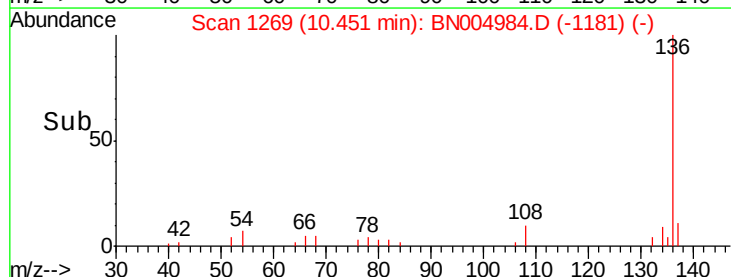
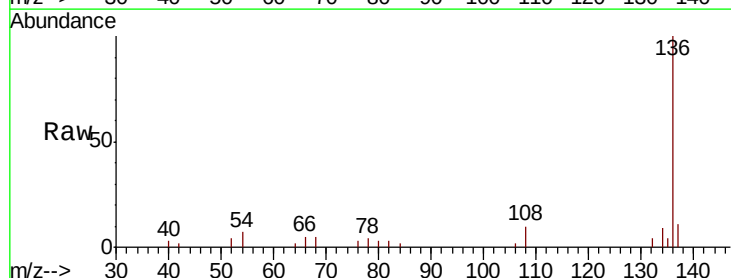
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.7 5.3 7.9

68 5.4 4.6 6.8

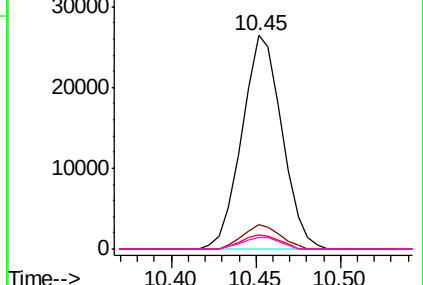


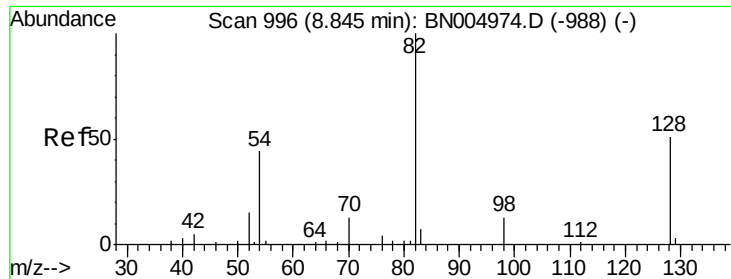
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0

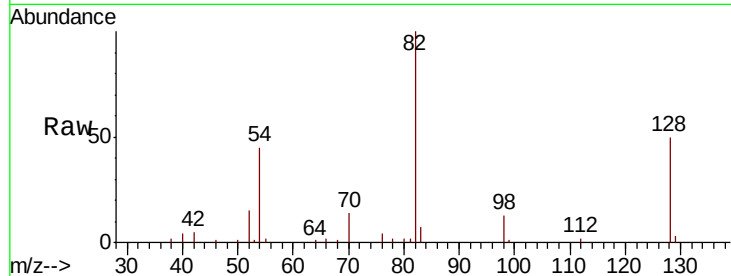




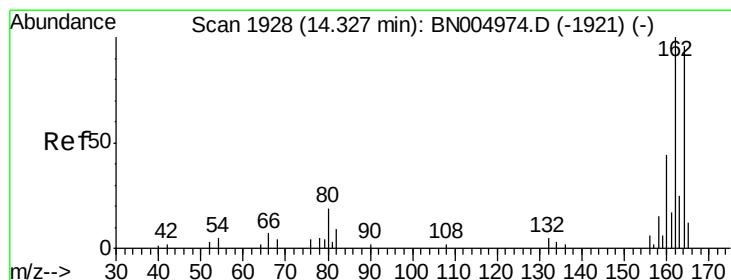
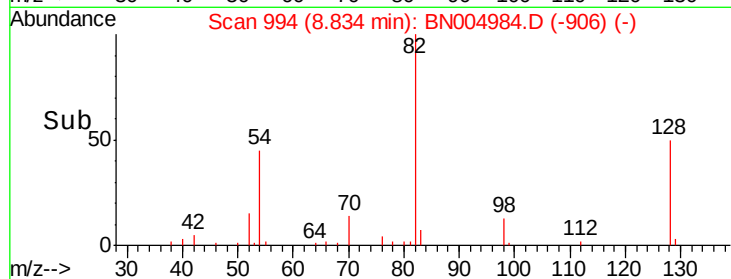
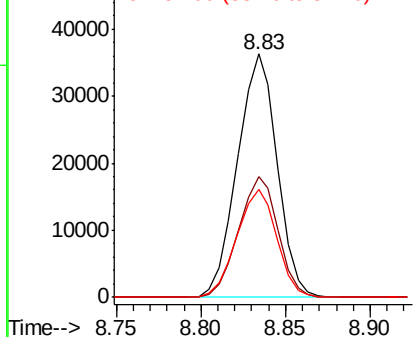
#23
Nitrobenzene-d5
Concen: 82.257 ng
RT: 8.83 min Scan# 994
Delta R.T. -0.01 min
Lab File: BN004984.D
Acq: 26 Mar 2019 20:46

Instrument :
BNA_N
ClientSampleId :
PB118232BL

Tgt Ion: 82 Resp: 59273
Ion Ratio Lower Upper
82 100
128 49.6 40.6 60.8
54 44.6 35.2 52.8

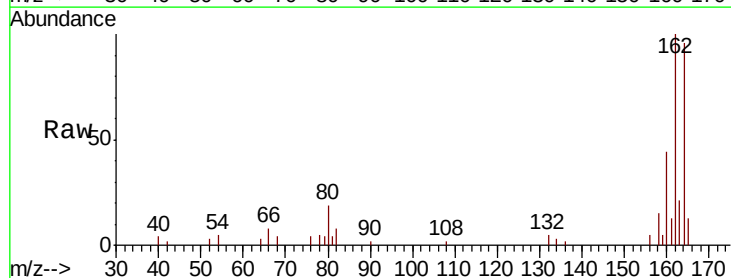


Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0

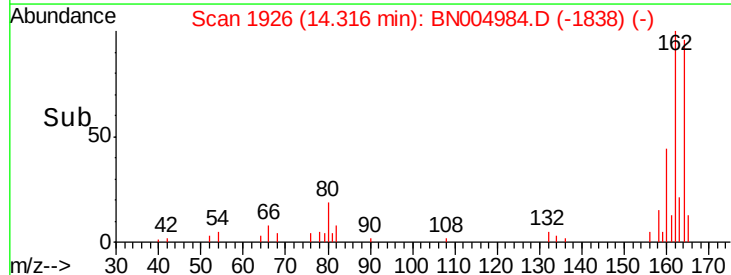
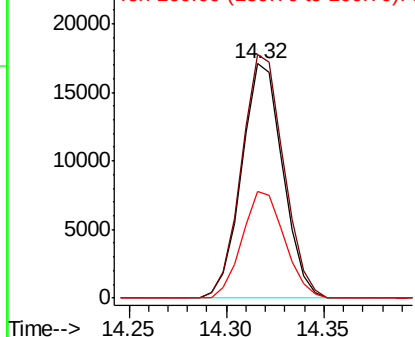


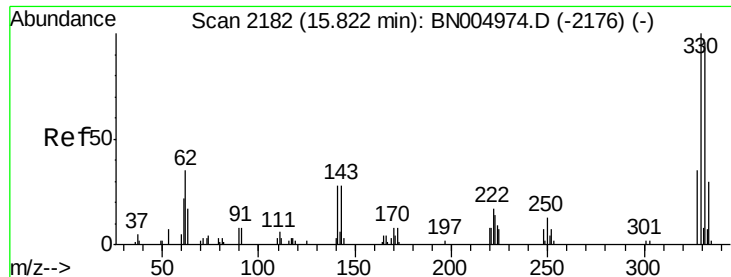
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BN004984.D
Acq: 26 Mar 2019 20:46

Tgt Ion: 164 Resp: 24922
Ion Ratio Lower Upper
164 100
162 103.8 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: 134.498 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN004984.D

Acq: 26 Mar 2019 20:46

Instrument :

BNA_N

ClientSampleId :

PB118232BL

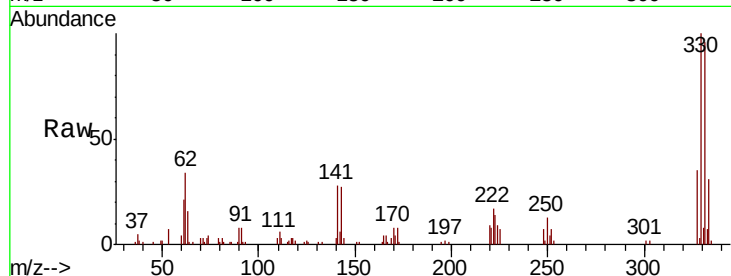
Tgt Ion:330 Resp: 54061

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

141 27.5 22.1 33.1

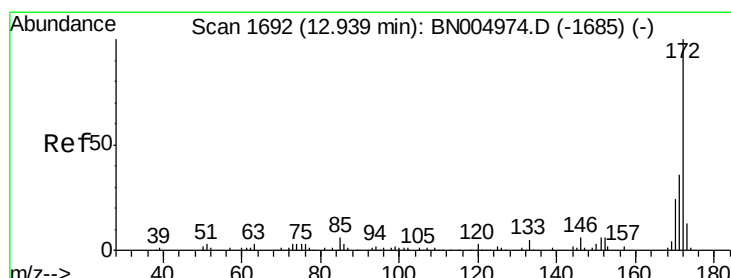
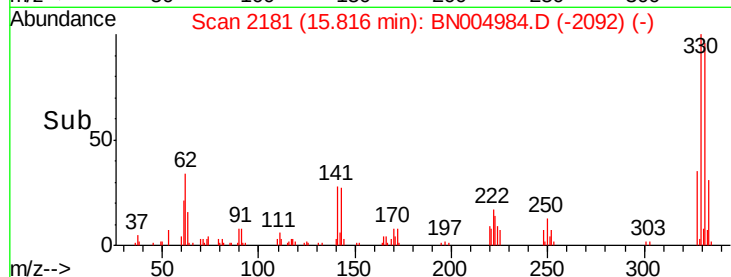
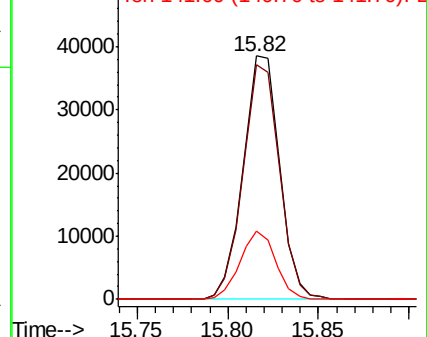


Abundance

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: 83.687 ng

RT: 12.93 min Scan# 1691

Delta R.T. -0.01 min

Lab File: BN004984.D

Acq: 26 Mar 2019 20:46

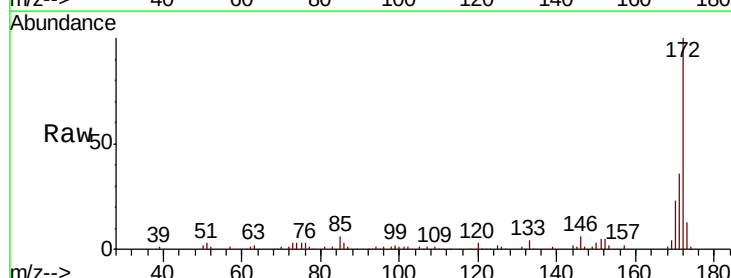
Tgt Ion:172 Resp: 157392

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.3 18.9 28.3

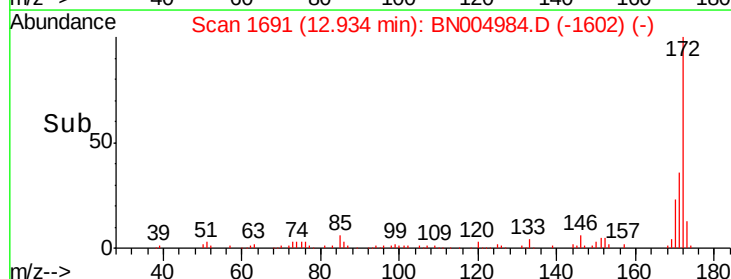
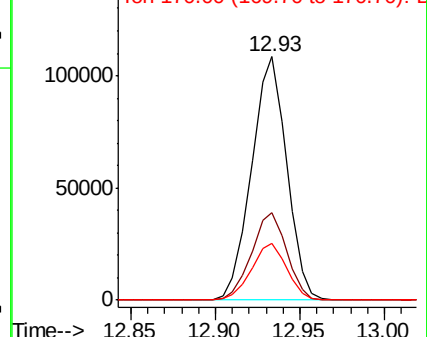


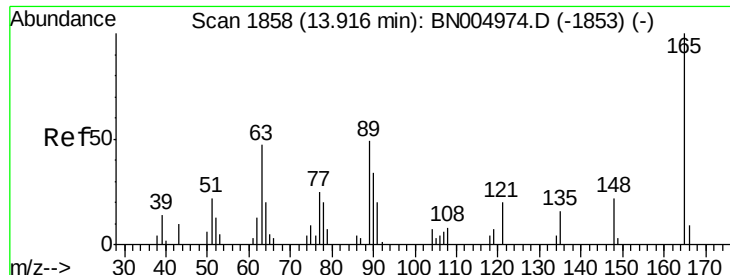
Abundance

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

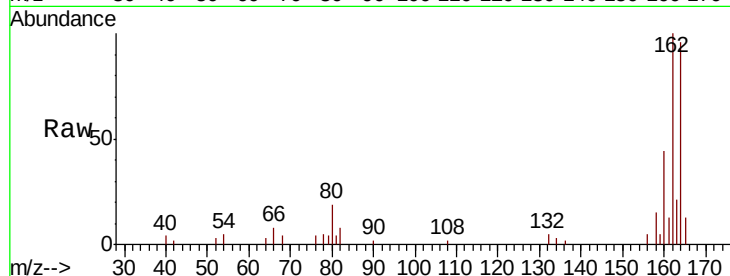




#51
 2,6-Dinitrotoluene
 Concen: 6.581 ng
 RT: 14.32 min Scan# 1926
 Delta R.T. 0.40 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Instrument :
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 ClientSampleId :
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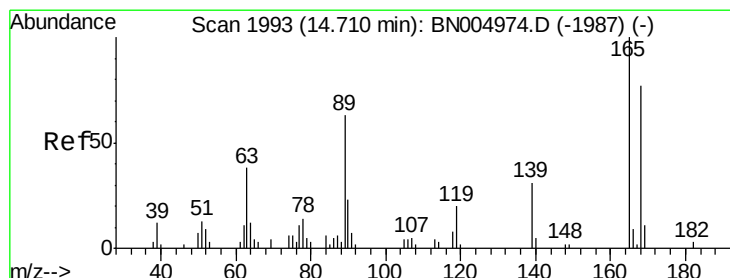
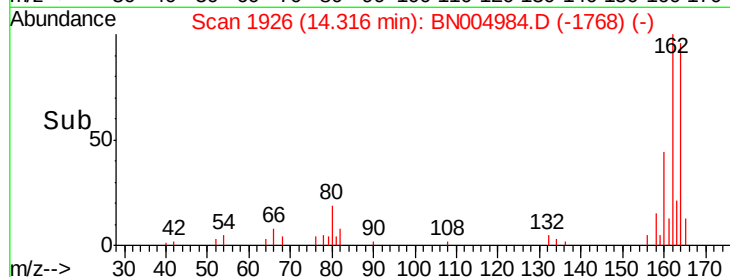
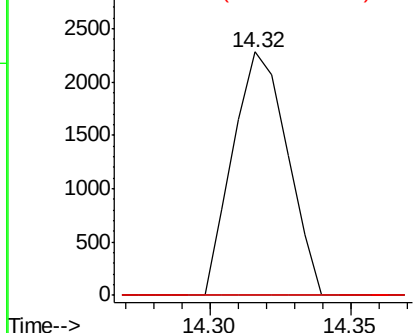
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	39.2	58.8#



Abundance Ion 165.00 (164.70 to 165.70): E

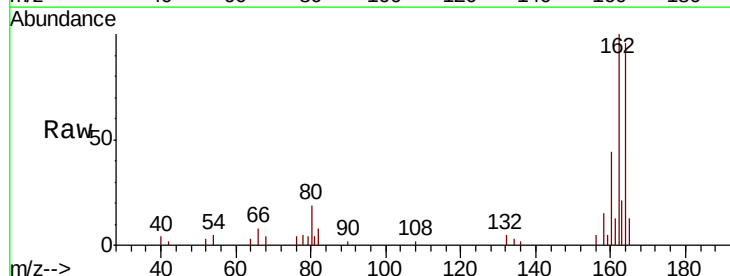
Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC



#57
 2,4-Dinitrotoluene
 Concen: 4.842 ng
 RT: 14.32 min Scan# 1926
 Delta R.T. -0.39 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

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#

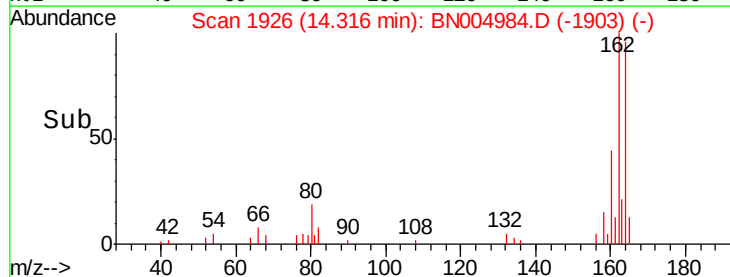
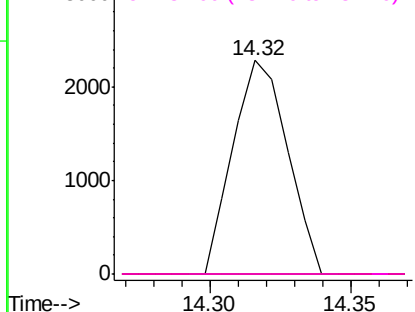


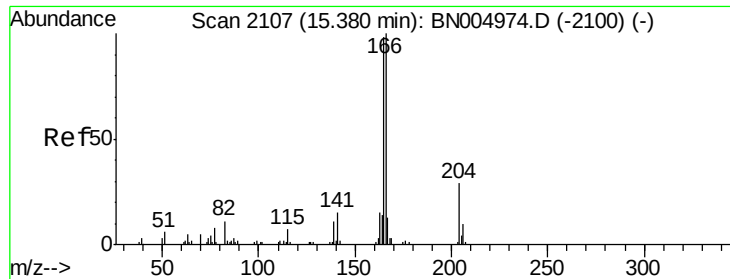
Abundance Ion 165.00 (164.70 to 165.70): E

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

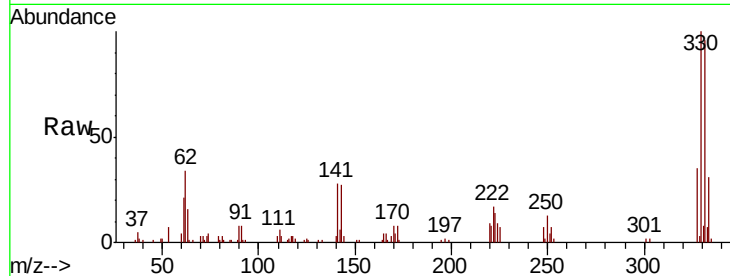




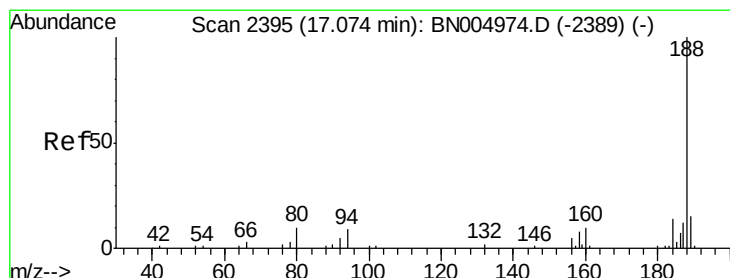
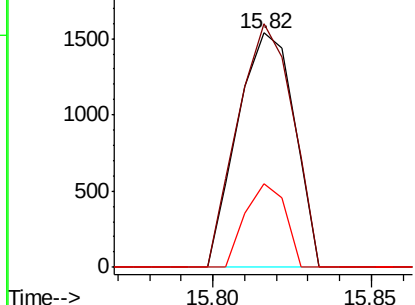
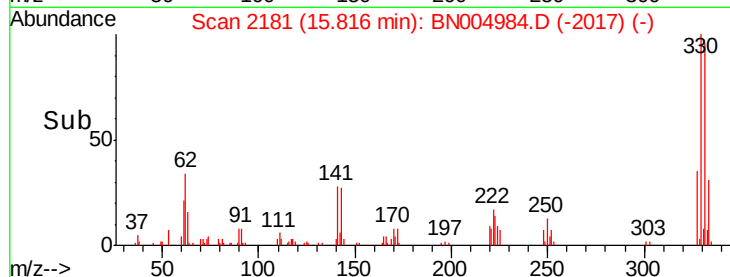
#58
 Fluorene
 Concen: 0.972 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. 0.44 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Instrument :
 BNA_N
 ClientSampleId :
 PB118232BL

Tgt Ion:166 Resp: 1914
 Ion Ratio Lower Upper
 166 100
 165 103.8 78.3 117.5
 167 35.4 10.6 15.8#

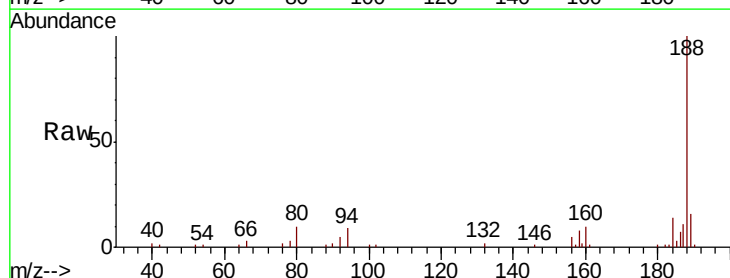


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

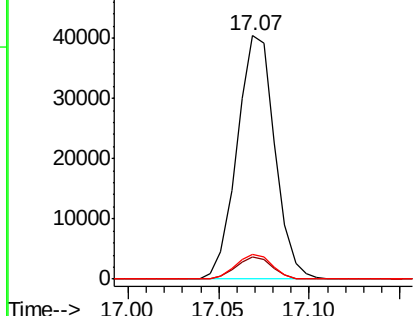
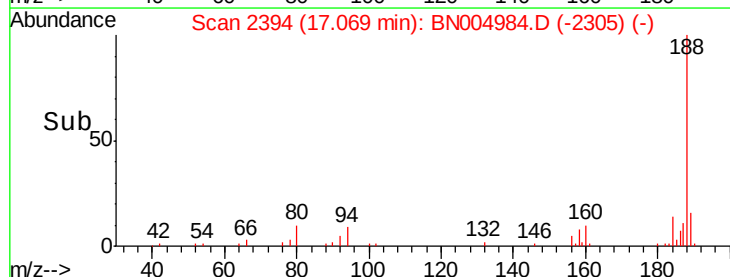


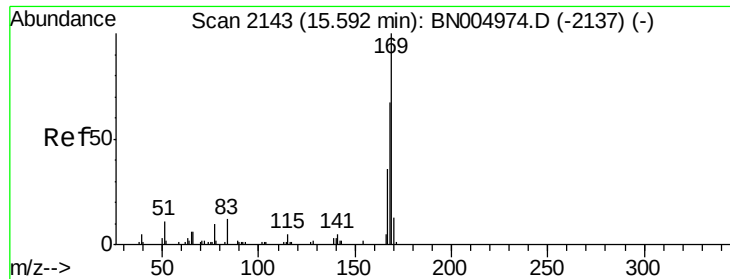
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.07 min Scan# 2394
 Delta R.T. -0.01 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Tgt Ion:188 Resp: 58346
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.2 10.8
 80 10.2 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

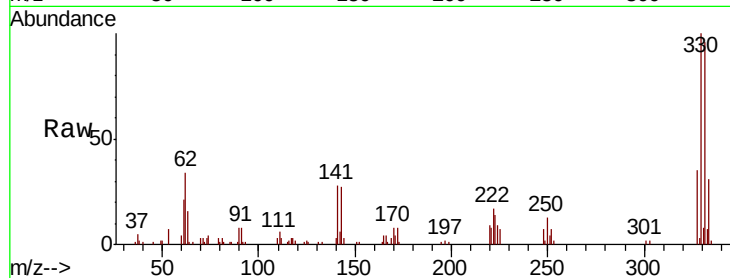




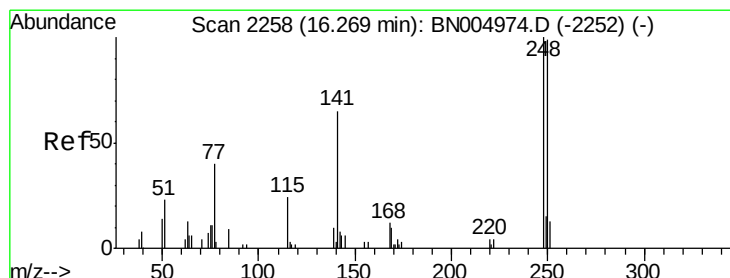
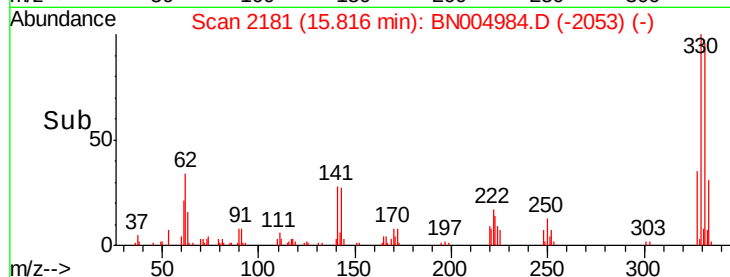
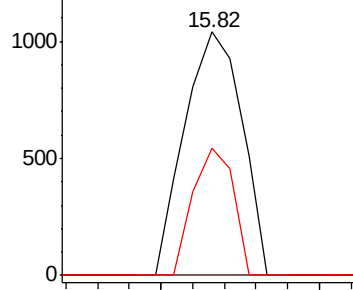
#66
 n-Nitrosodiphenylamine
 Concen: 0.710 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. 0.22 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Instrument :
 BNA_N
 ClientSampleId :
 PB118232BL

Tgt Ion:169 Resp: 1305
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.4 80.2#
 167 52.4 28.9 43.3#

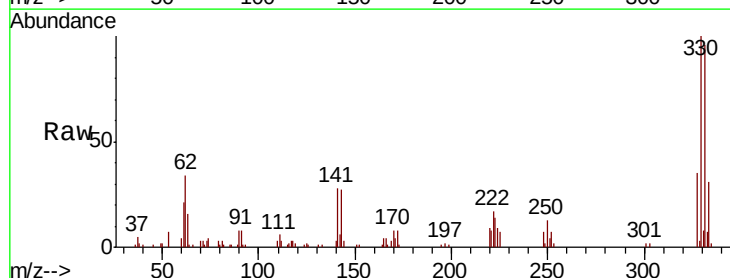


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

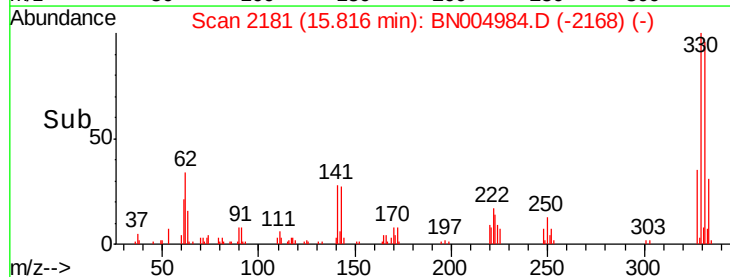
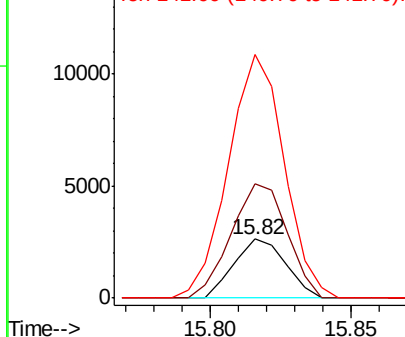


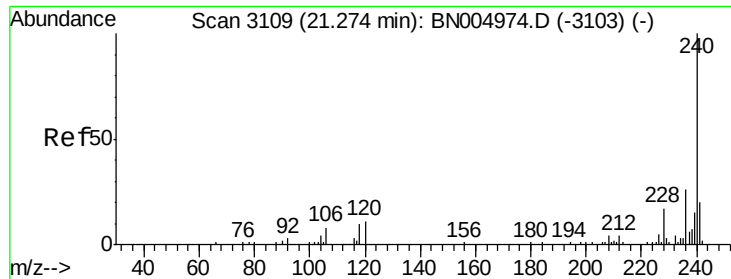
#67
 4-Bromophenyl-phenylether
 Concen: 4.617 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.45 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Tgt Ion:248 Resp: 3362
 Ion Ratio Lower Upper
 248 100
 250 194.2 79.4 119.2#
 141 413.8 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

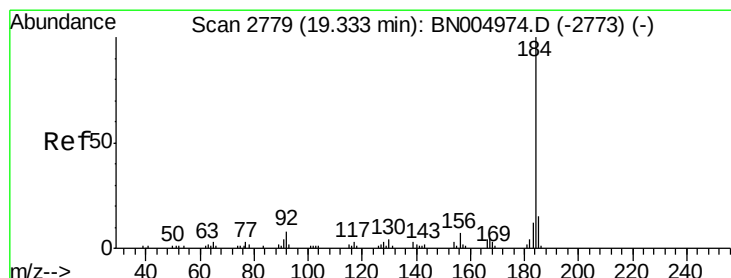
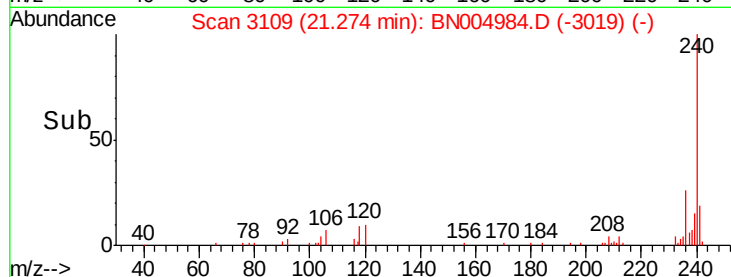
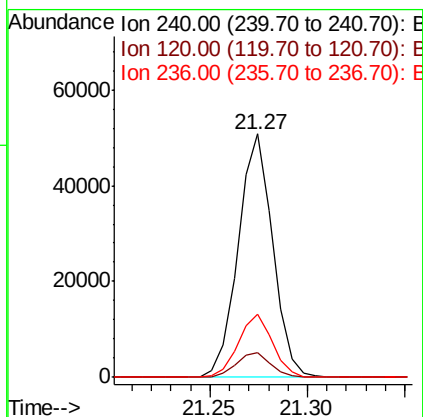
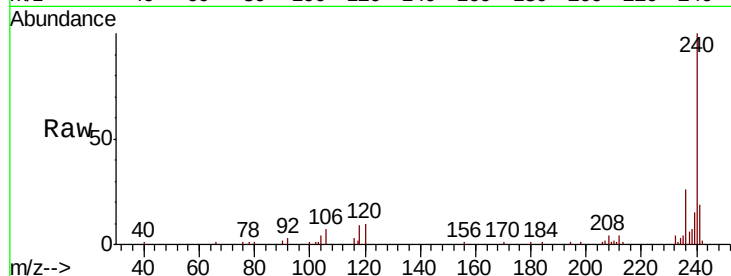




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

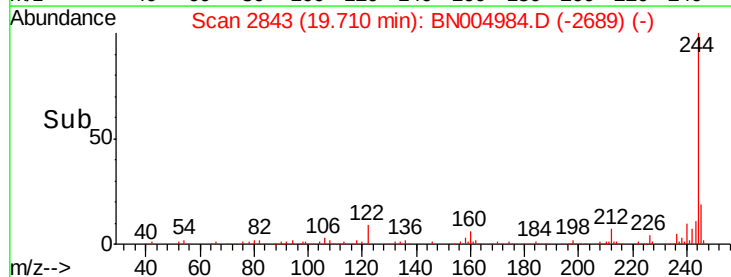
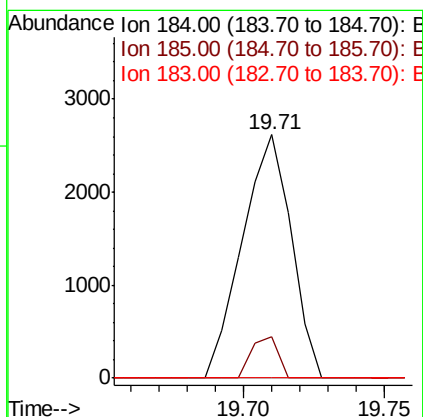
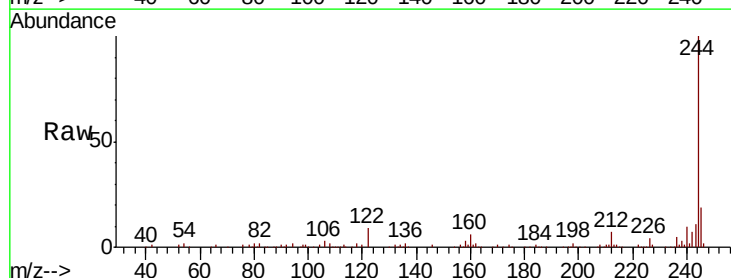
Instrument :
 BNA_N
 ClientSampleId :
 PB118232BL

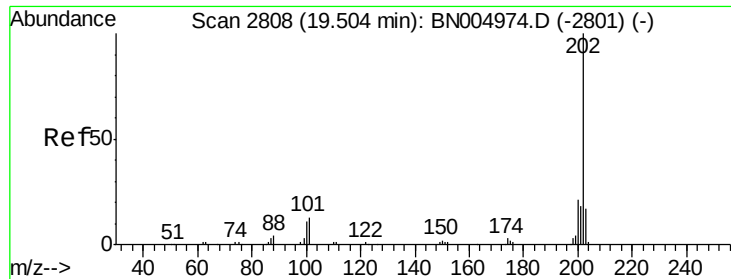
Tgt Ion: 240 Resp: 62178
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.5 12.7
 236 26.1 21.2 31.8



#77
 Benzidine
 Concen: 1.624 ng
 RT: 19.71 min Scan# 2843
 Delta R.T. 0.38 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Tgt Ion: 184 Resp: 3146
 Ion Ratio Lower Upper
 184 100
 185 17.2 11.8 17.8
 183 0.0 9.9 14.9#

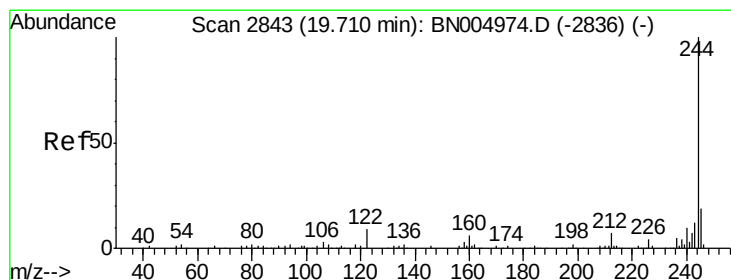
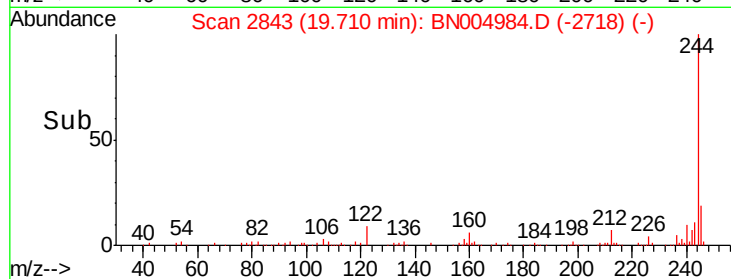
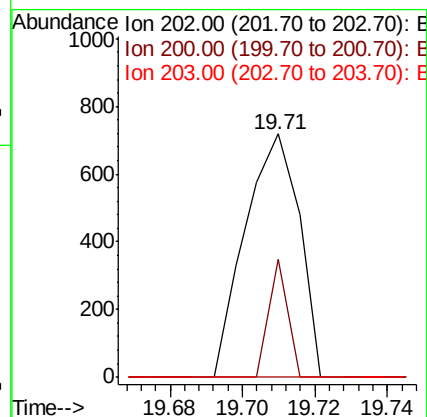
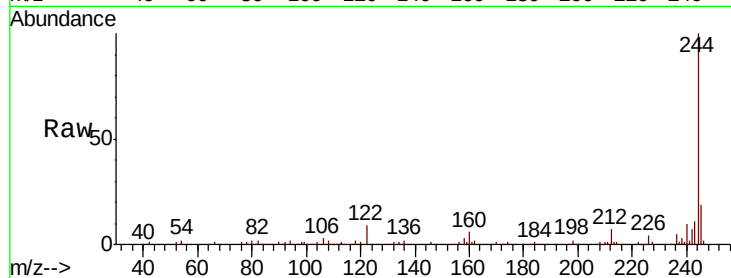




#78
 Pyrene
 Concen: 0.179 ng
 RT: 19.71 min Scan# 2843
 Delta R.T. 0.21 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

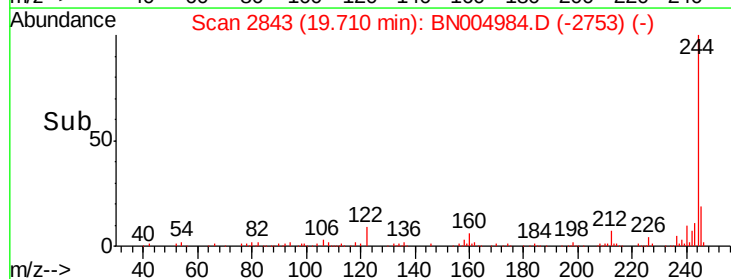
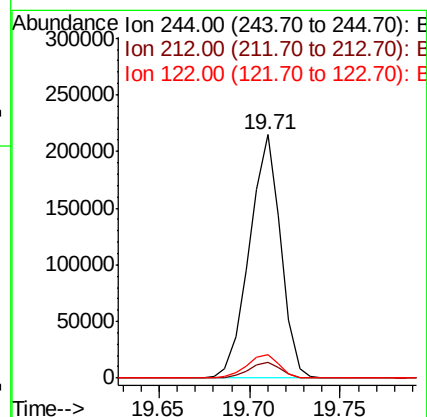
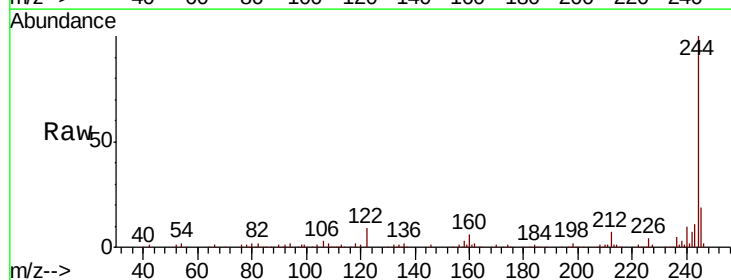
Instrument :
 BNA_N
 ClientSampleId :
 PB118232BL

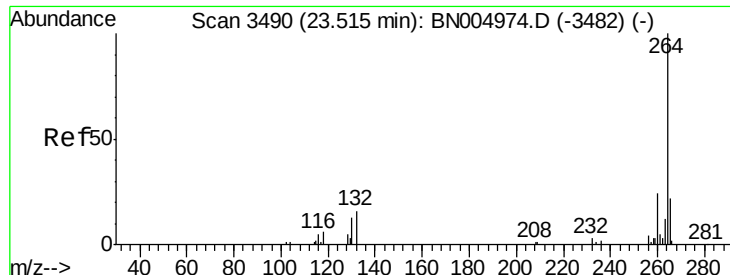
Tgt Ion	Ratio	Lower	Upper
202	100		
200	48.4	17.0	25.4#
203	0.0	14.0	21.0#



#79
 Terphenyl-d14
 Concen: 79.445 ng
 RT: 19.71 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BN004984.D
 Acq: 26 Mar 2019 20:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.5	7.4	11.2

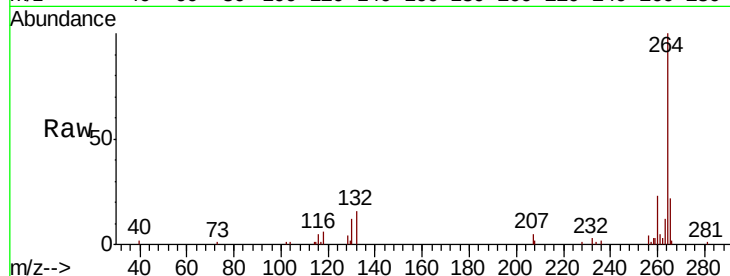




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BN004984.D
Acq: 26 Mar 2019 20:46

Instrument :
BNA_N
ClientSampleId :
PB118232BL

Tgt Ion: 264 Resp: 62175
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

