

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041019\
 Data File : BN005127.D
 Acq On : 10 Apr 2019 14:43
 Operator : JU/SJ
 Sample : K2343-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 11 07:31:23 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	8469	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	34723	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	19725	20.00	ng	-0.03
64) Phenanthrene-d10	17.05	188	42278	20.00	ng	-0.02
76) Chrysene-d12	21.25	240	38299	20.00	ng	-0.02
87) Perylene-d12	23.48	264	37140	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	57171	116.71	ng	-0.02
7) Phenol-d6	6.83	99	74803	115.13	ng	-0.02
23) Nitrobenzene-d5	8.82	82	41225	71.82	ng	-0.03
42) 2,4,6-Tribromophenol	15.80	330	36196	113.78	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	116007	77.93	ng	-0.02
79) Terphenyl-d14	19.69	244	164123	82.50	ng	-0.02

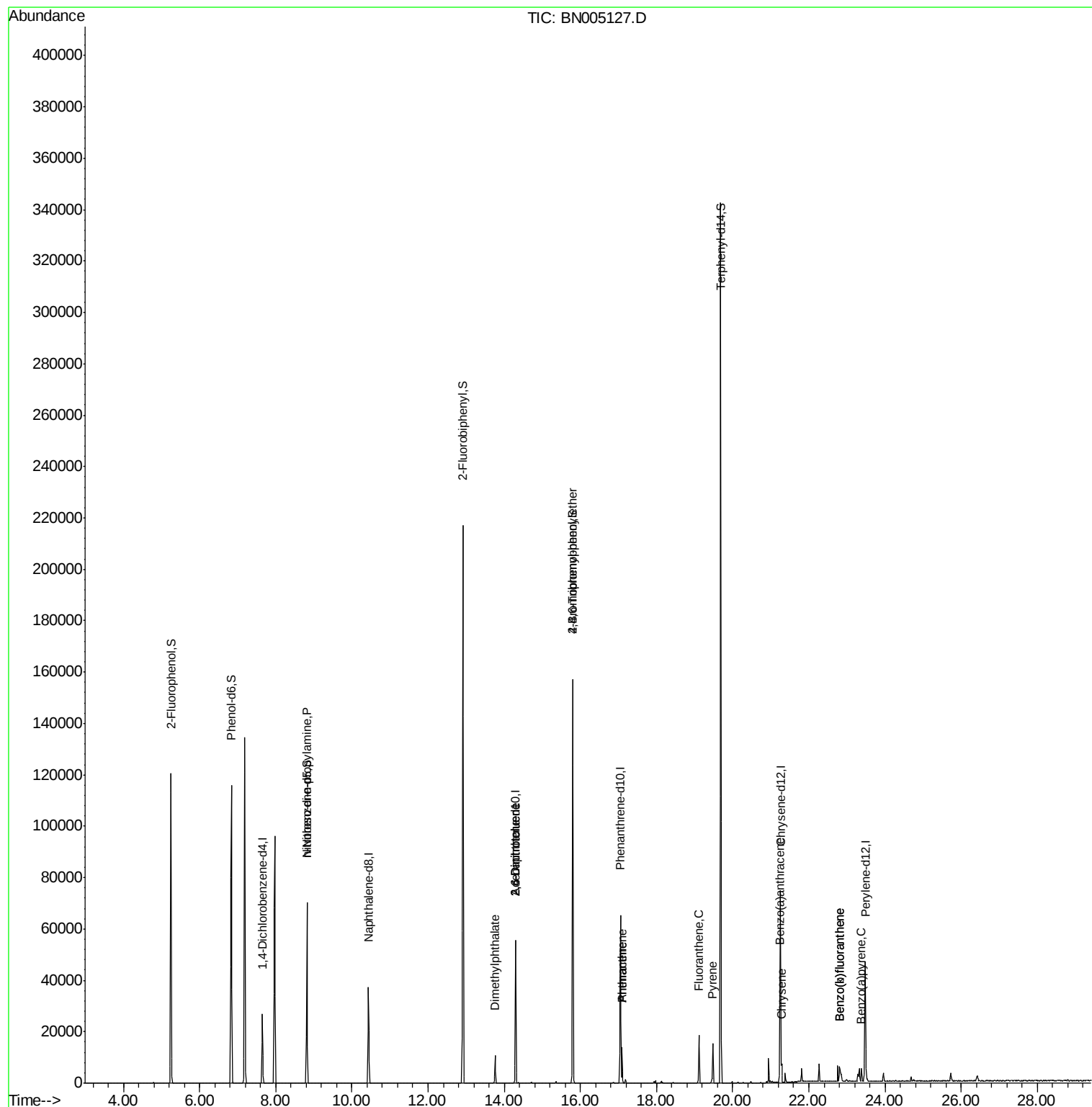
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.82	70	5240	12.303	ng	# 73
50) Dimethylphthalate	13.76	163	9201	5.678	ng	# 95
51) 2,6-Dinitrotoluene	14.30	165	2518	6.828	ng	# 29
57) 2,4-Dinitrotoluene	14.30	165	2518	5.025	ng	# 27
67) 4-Bromophenyl-phenylether	15.80	248	2002	3.795	ng	# 1
71) Phenanthrene	17.09	178	9681	4.075	ng	98
72) Anthracene	17.09	178	9681	4.094	ng	99
75) Fluoranthene	19.12	202	13220	4.878	ng	98
78) Pyrene	19.48	202	11348	4.437	ng	100
81) Benzo(a)anthracene	21.23	228	6301	2.641	ng	99
83) Chrysene	21.29	228	5221	2.291	ng	97
88) Benzo(b)fluoranthene	22.81	252	7065	3.090	ng	97
89) Benzo(k)fluoranthene	22.81	252	7065	3.370	ng	96
90) Benzo(a)pyrene	23.38	252	5100	2.438	ng	97

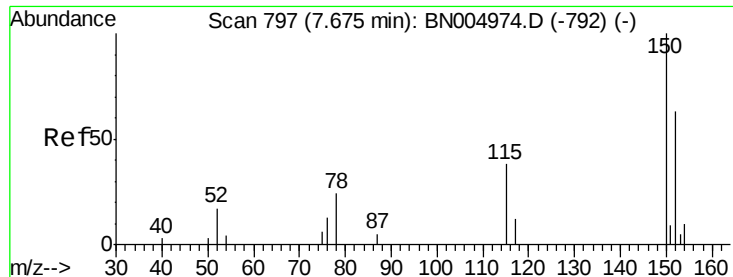
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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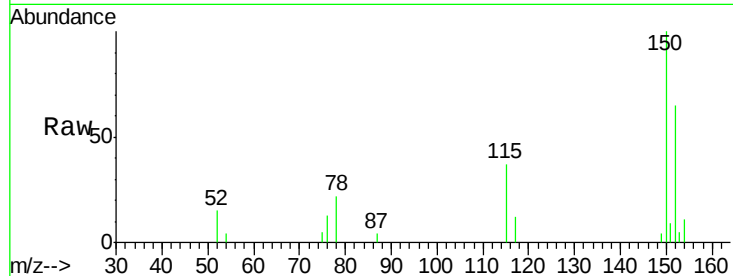


#1

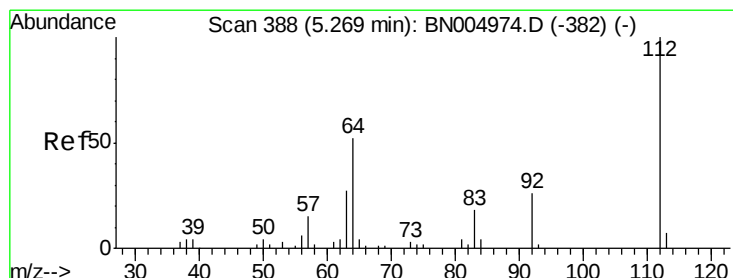
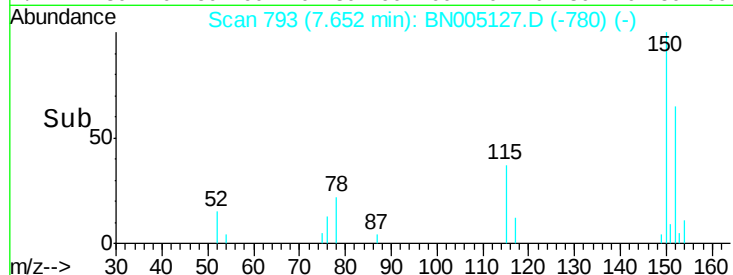
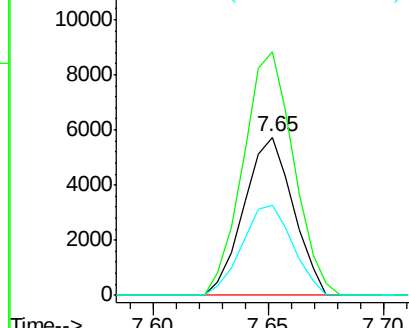
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 8469
Ion Ratio Lower Upper
152 100
150 154.0 126.9 190.3
115 56.9 47.8 71.6



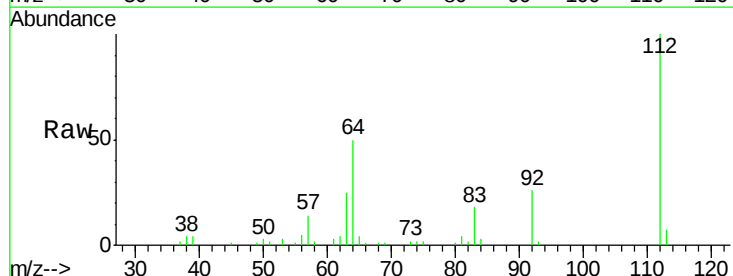
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



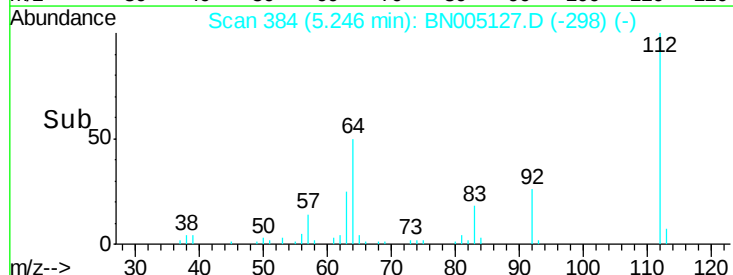
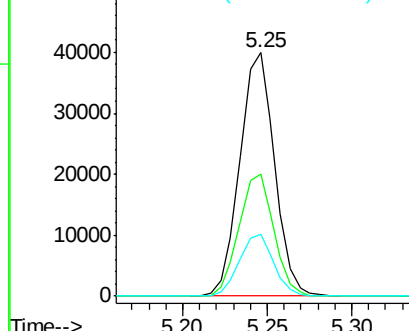
#5

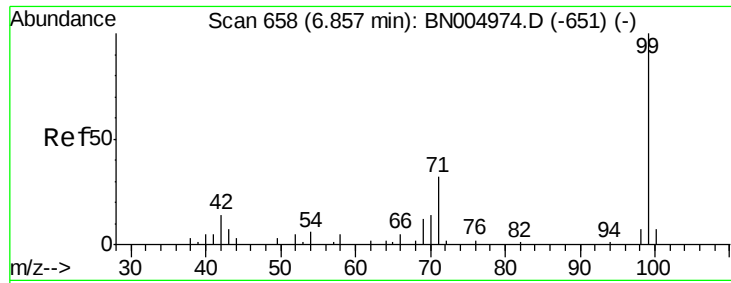
2-Fluorophenol
Concen: 116.711 ng
RT: 5.25 min Scan# 384
Delta R.T. -0.02 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

Tgt Ion:112 Resp: 57171
Ion Ratio Lower Upper
112 100
64 50.3 41.9 62.9
63 25.3 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: 115.133 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

Instrument :

BNA_N

ClientSampleId :

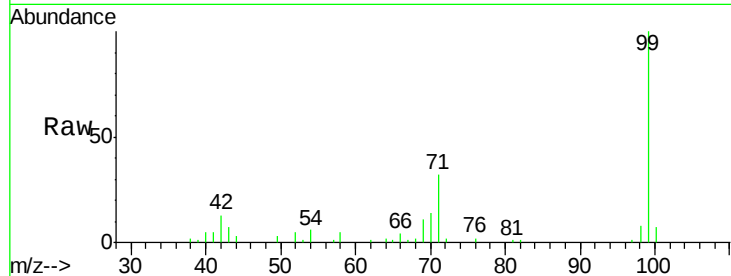
Tot Ion: 99 Resp: 74803

Ion Ratio Lower Upper

99 100

42 13.1 11.4 17.0

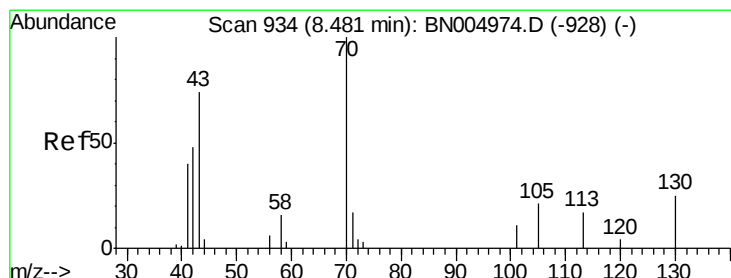
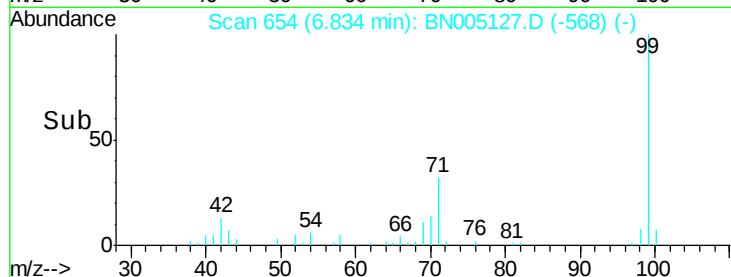
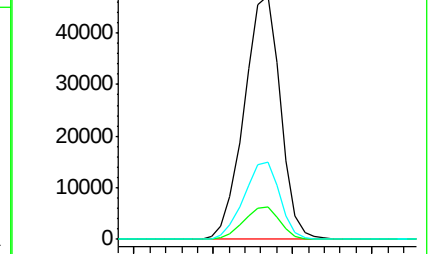
71 31.8 25.8 38.8



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) (-)



#19

n-Nitroso-di-n-propylamine

Concen: 12.303 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.34 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

Tgt Ion: 70 Resp: 5240

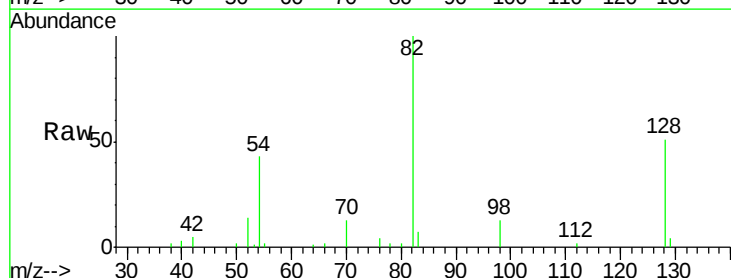
Ion Ratio Lower Upper

70 100

42 38.2 38.4 57.6#

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

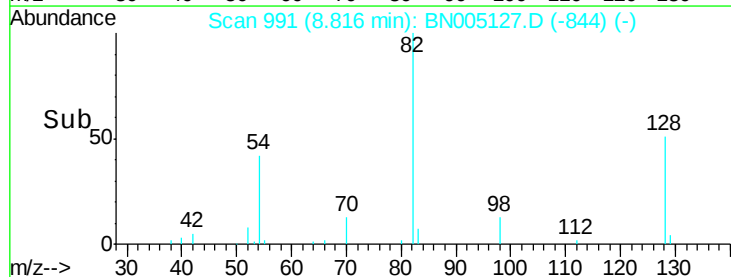
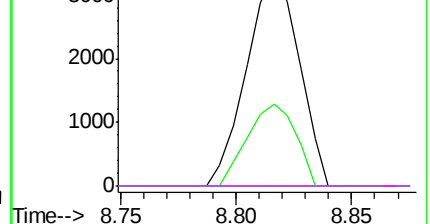


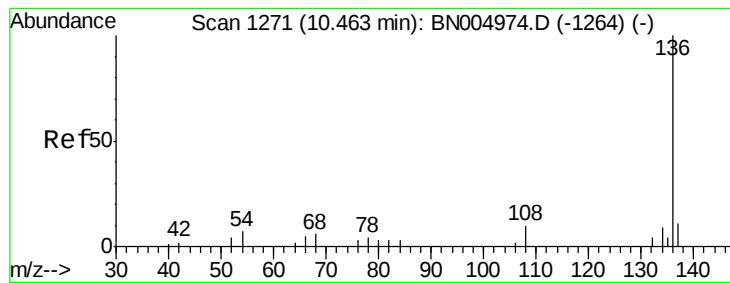
Abundance Ion 70.00 (69.70 to 70.70): BN004974.D (-928) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-928) (-)

Ion 101.00 (100.70 to 101.70): BN004974.D (-928) (-)

Ion 130.00 (129.70 to 130.70): BN004974.D (-928) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 34723

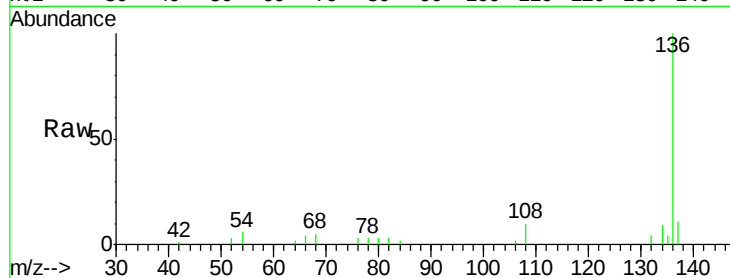
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.3 5.3 7.9

68 5.4 4.6 6.8

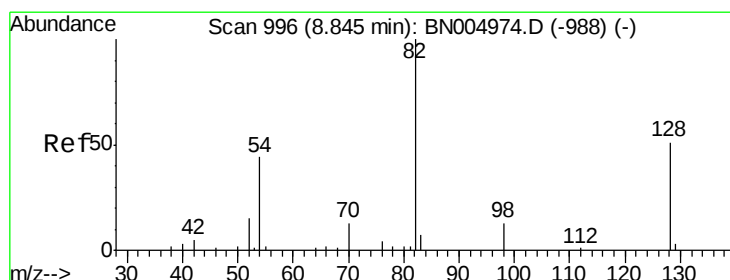
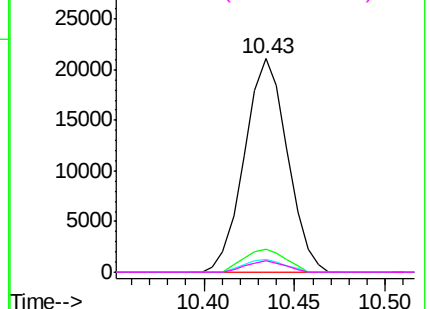
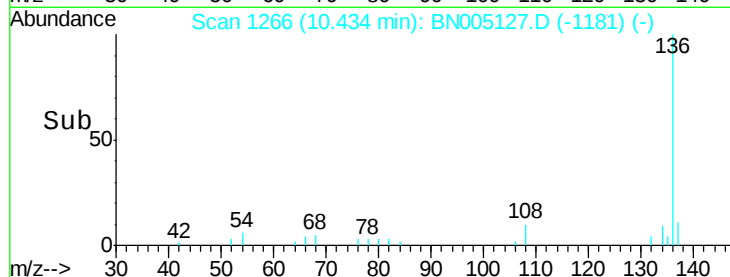


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#23

Nitrobenzene-d5

Concen: 71.819 ng

RT: 8.82 min Scan# 991

Delta R.T. -0.03 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

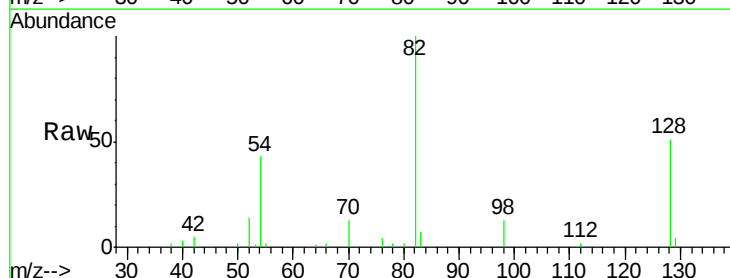
Tgt Ion: 82 Resp: 41225

Ion Ratio Lower Upper

82 100

128 50.8 40.6 60.8

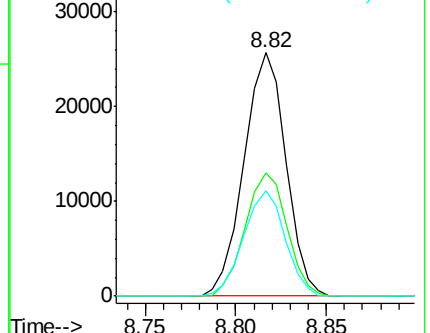
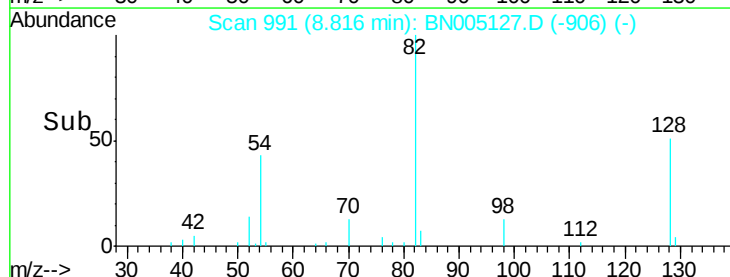
54 43.4 35.2 52.8

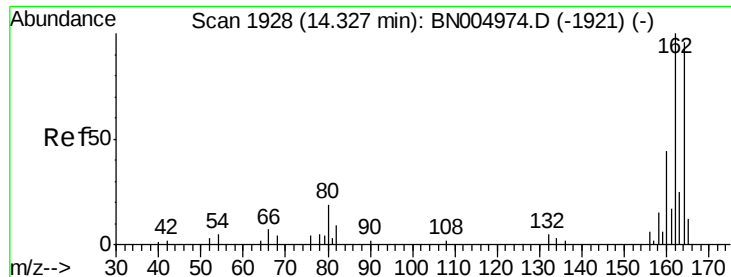


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1923

Delta R.T. -0.03 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

Instrument :

BNA_N

ClientSampleId :

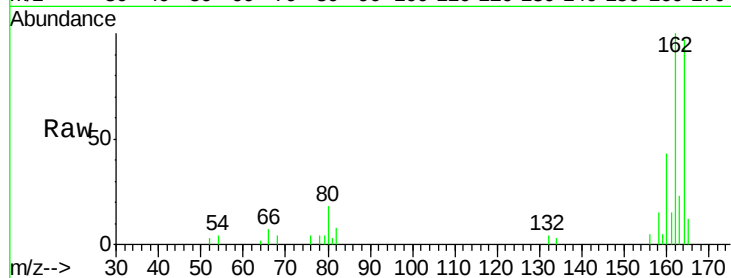
Tot Ion:164 Resp: 19725

Ion Ratio Lower Upper

164 100

162 103.4 83.4 125.0

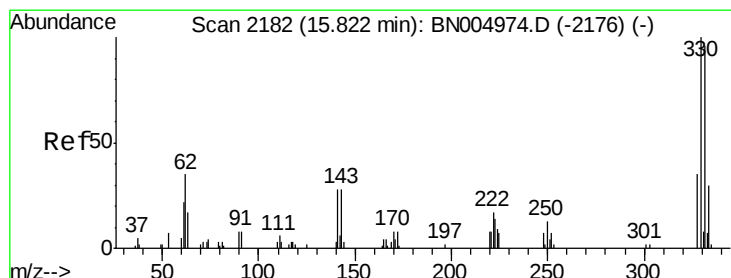
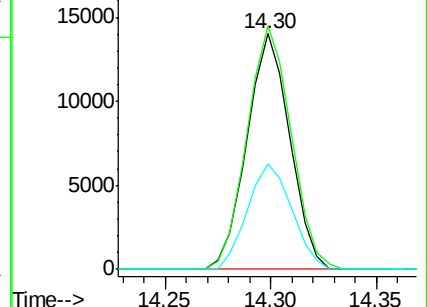
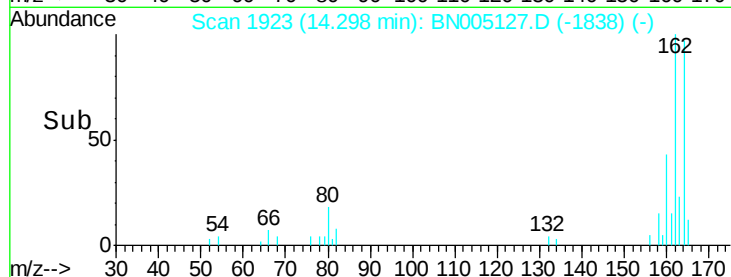
160 44.9 36.6 55.0



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: 113.778 ng

RT: 15.80 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

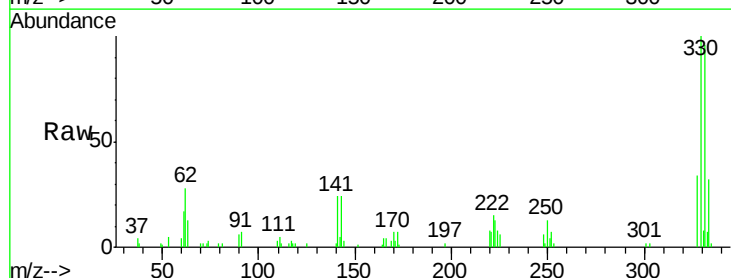
Tgt Ion:330 Resp: 36196

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

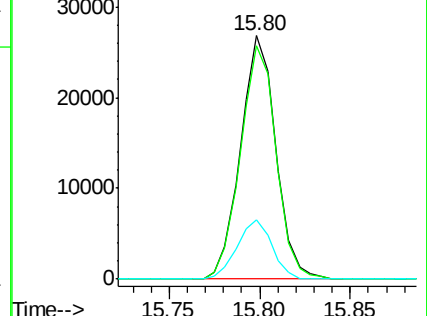
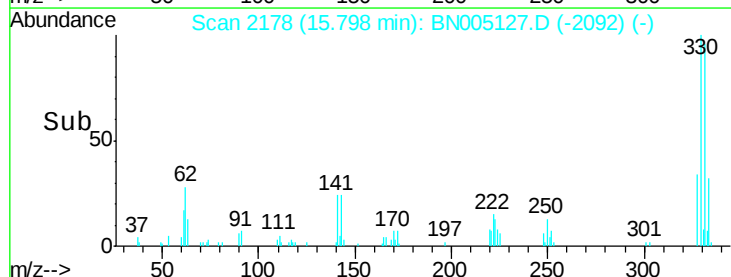
141 24.1 22.1 33.1

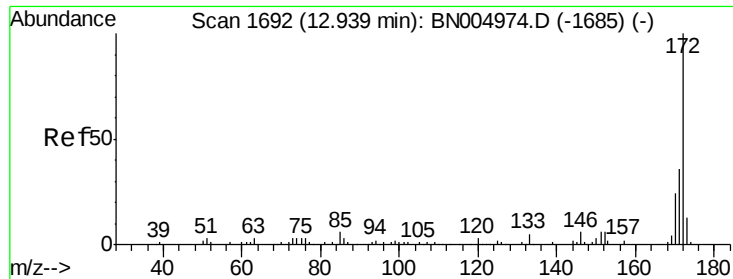


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

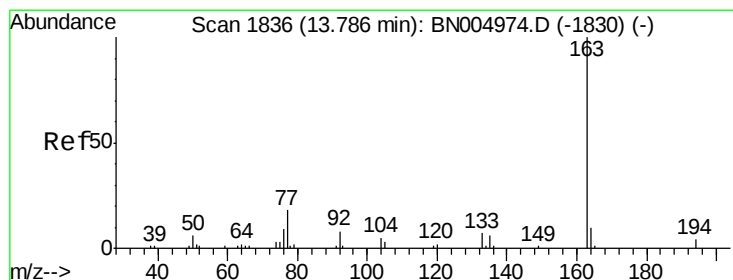
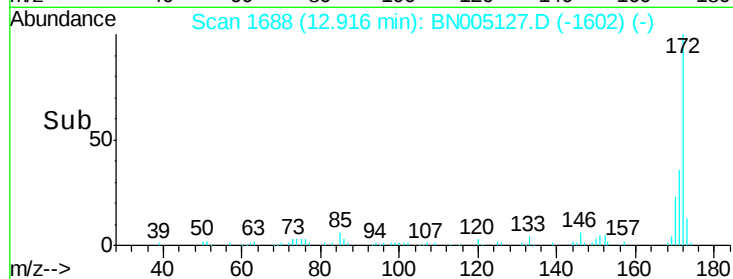
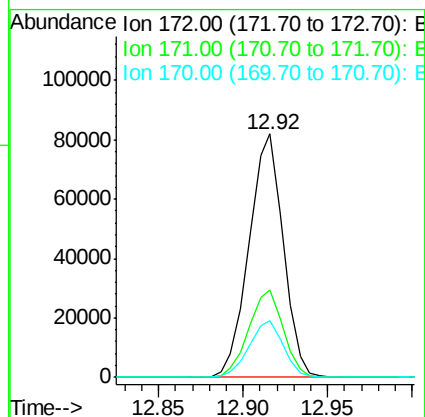
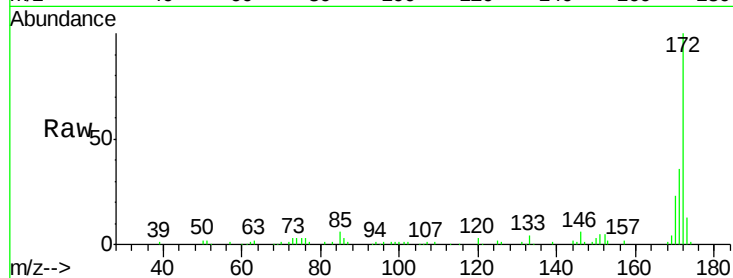




#45
2-Fluorobiphenyl
Concen: 77.934 ng
RT: 12.92 min Scan# 1688
Delta R.T. -0.02 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

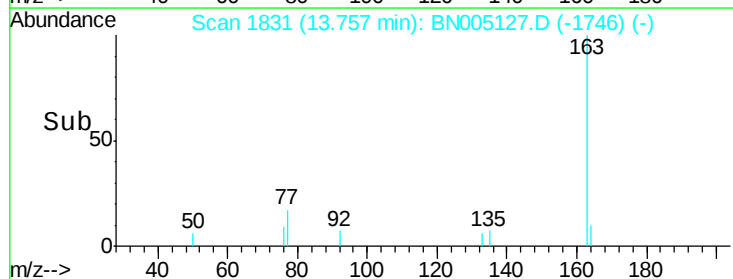
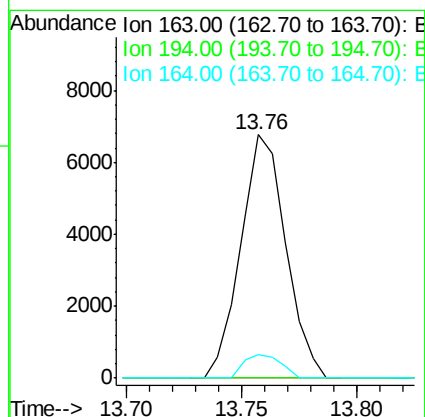
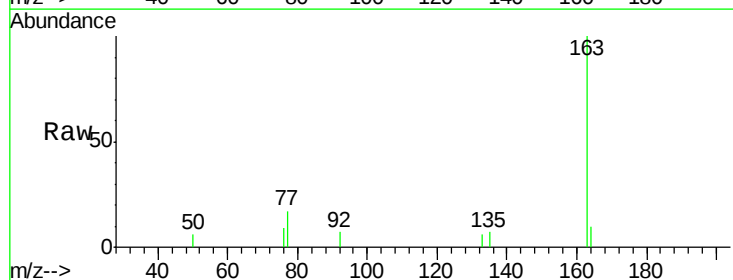
Instrument :
BNA_N
ClientSampleId :

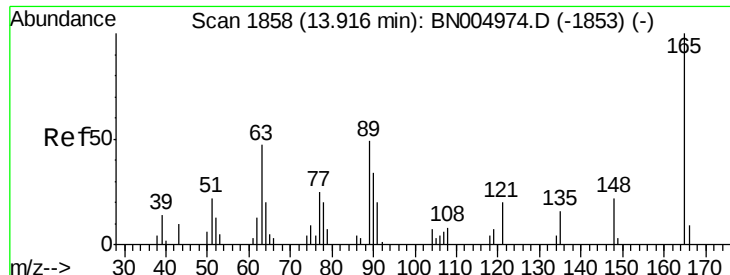
Tot Ion:172 Resp: 116007
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 23.3 18.9 28.3



#50
Dimethylphthalate
Concen: 5.678 ng
RT: 13.76 min Scan# 1831
Delta R.T. -0.03 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

Tgt Ion:163 Resp: 9201
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 9.8 8.3 12.5

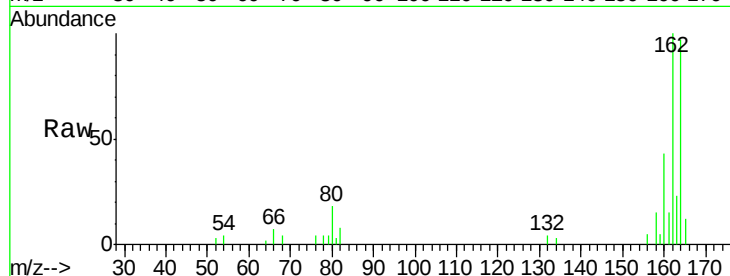




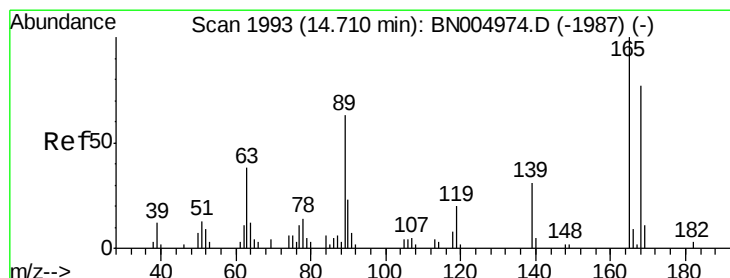
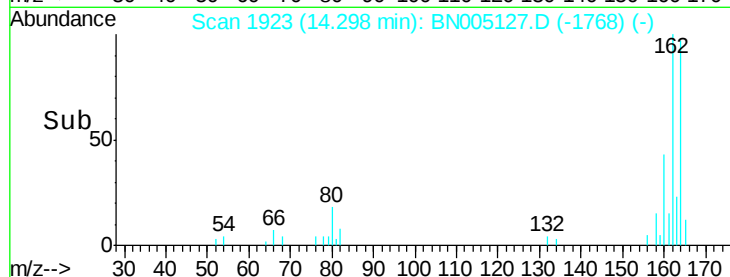
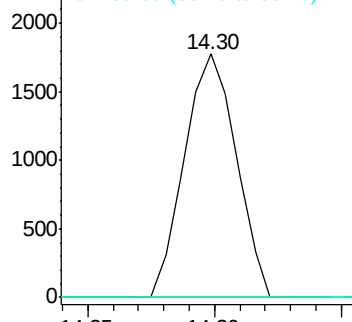
#51
 2,6-Dinitrotoluene
 Concen: 6.828 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.38 min
 Lab File: BN005127.D
 Acq: 10 Apr 2019 14:43

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 2518
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.3 55.9#
 89 0.0 39.2 58.8#

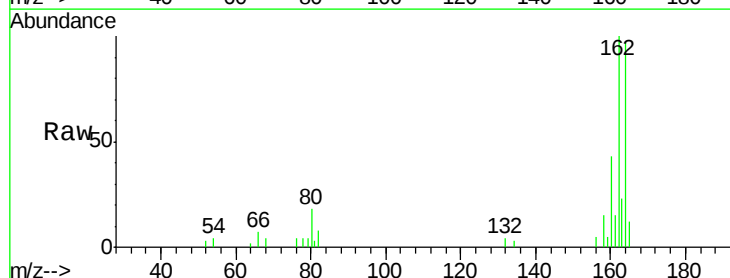


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

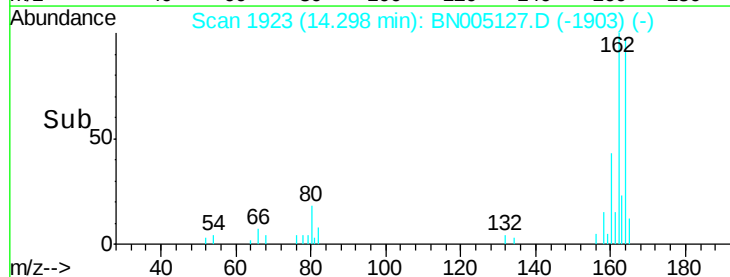
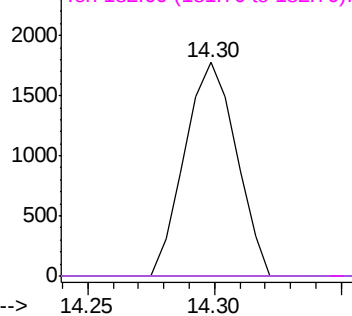


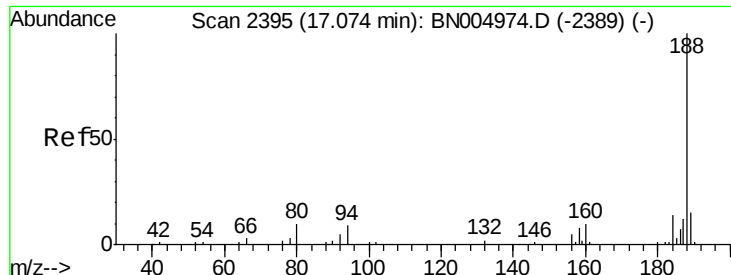
#57
 2,4-Dinitrotoluene
 Concen: 5.025 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.41 min
 Lab File: BN005127.D
 Acq: 10 Apr 2019 14:43

Tgt Ion:165 Resp: 2518
 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

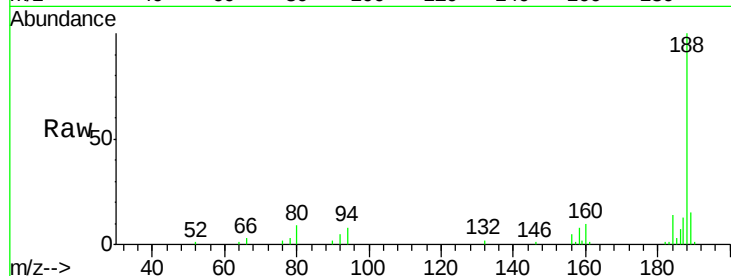




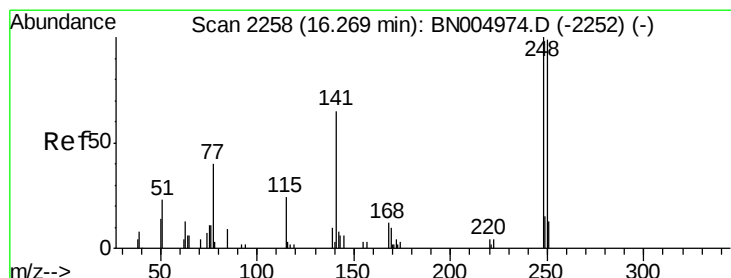
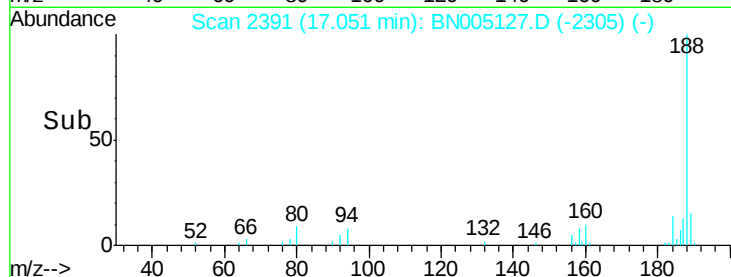
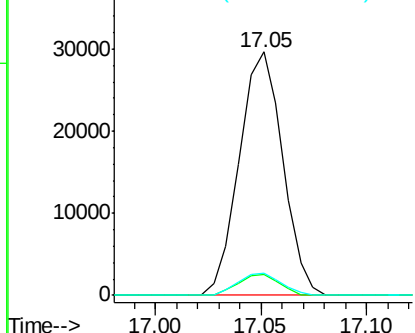
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2391
 Delta R.T. -0.02 min
 Lab File: BN005127.D
 Acq: 10 Apr 2019 14:43

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:188 Resp: 42278
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 9.1 7.8 11.6

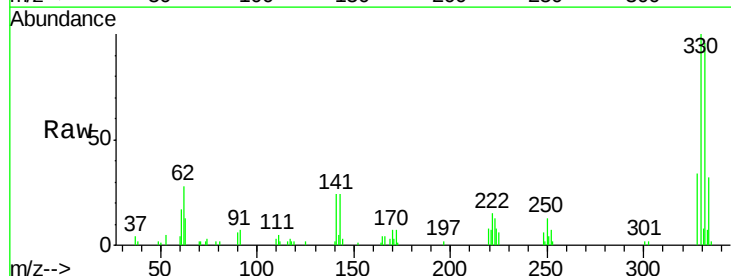


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNC
 Ion 80.00 (79.70 to 80.70): BNC

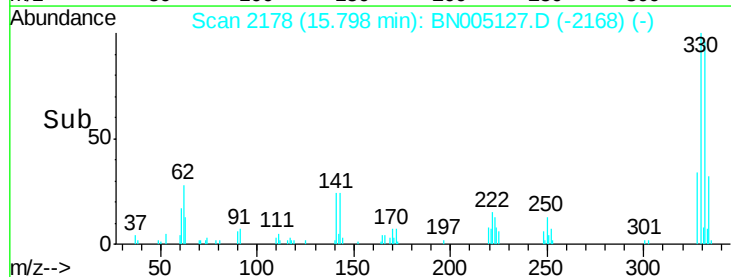
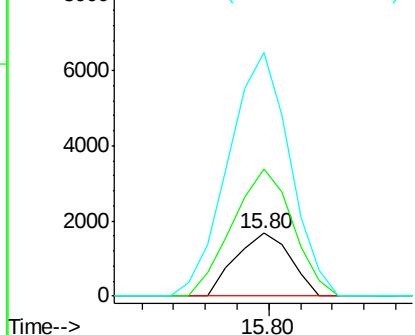


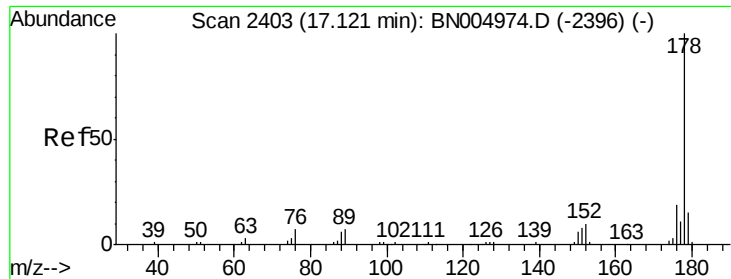
#67
 4-Bromophenyl-phenylether
 Concen: 3.795 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.47 min
 Lab File: BN005127.D
 Acq: 10 Apr 2019 14:43

Tgt Ion:248 Resp: 2002
 Ion Ratio Lower Upper
 248 100
 250 201.6 79.4 119.2#
 141 387.4 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

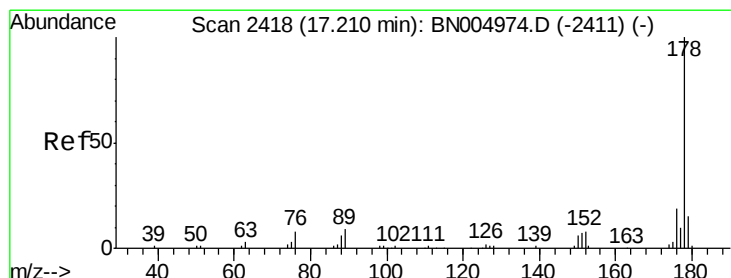
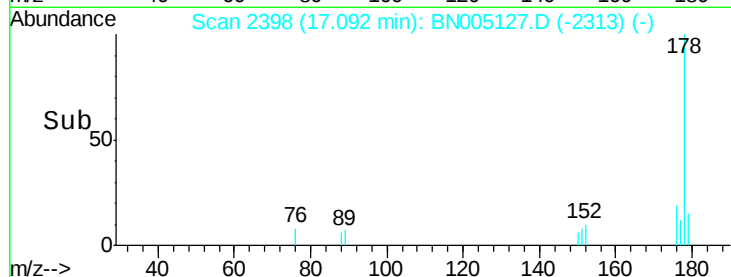
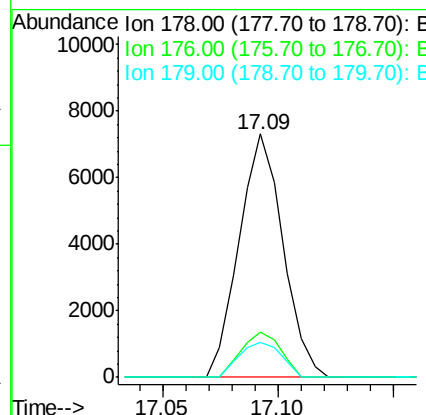
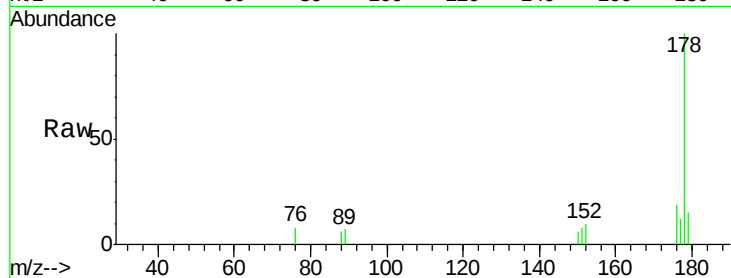




#71
Phenanthrene
Concen: 4.075 ng
RT: 17.09 min Scan# 2398
Delta R.T. -0.03 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

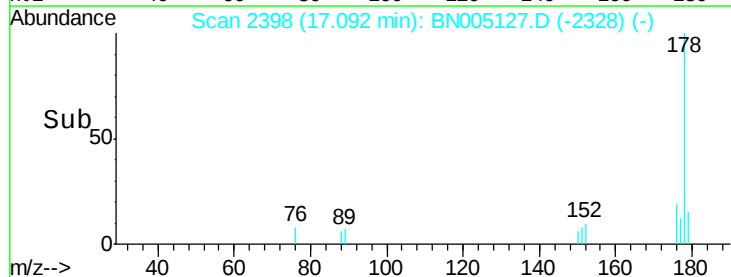
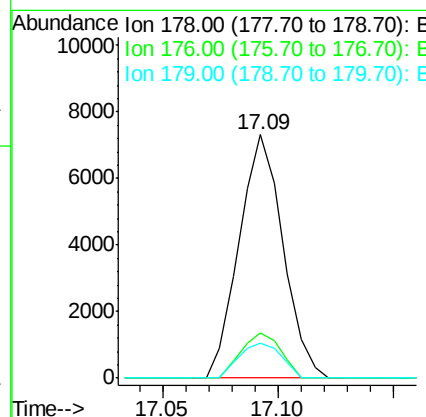
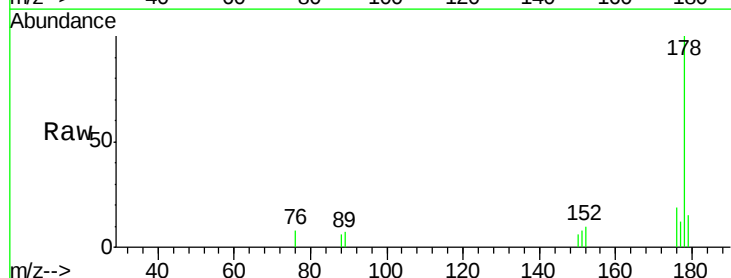
Instrument :
BNA_N
ClientSampleId :

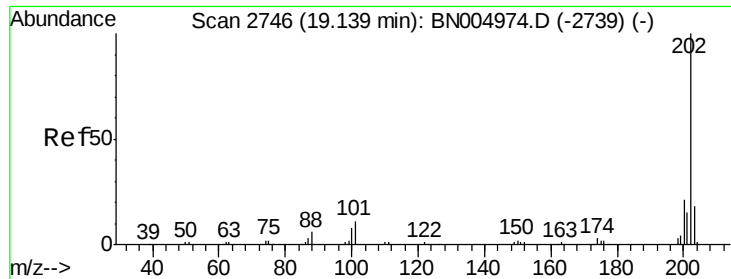
Tot Ion:178 Resp: 9681
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.6 12.3 18.5



#72
Anthracene
Concen: 4.094 ng
RT: 17.09 min Scan# 2398
Delta R.T. -0.12 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

Tgt Ion:178 Resp: 9681
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 14.6 12.3 18.5





#75

Fluoranthene

Concen: 4.878 ng

RT: 19.12 min Scan# 2742

Delta R.T. -0.02 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

Instrument :

BNA_N

ClientSampled :

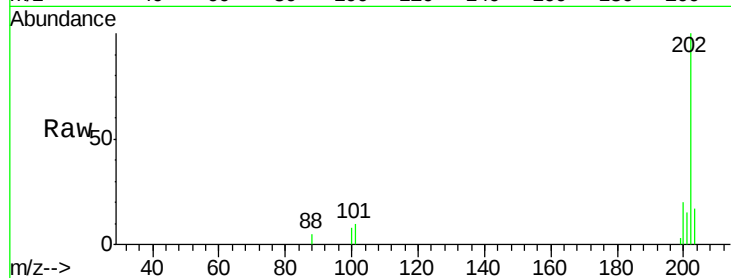
Tot Ion:202 Resp: 13220

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.1

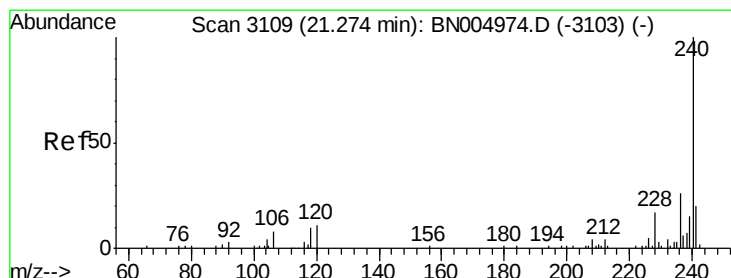
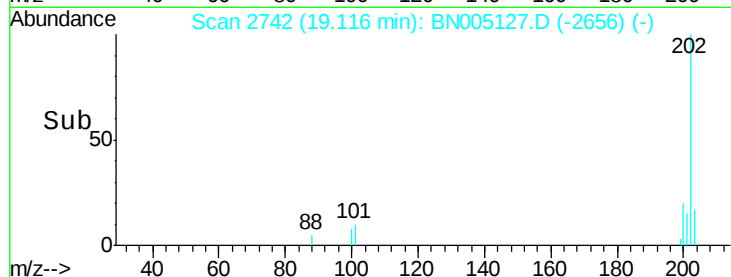
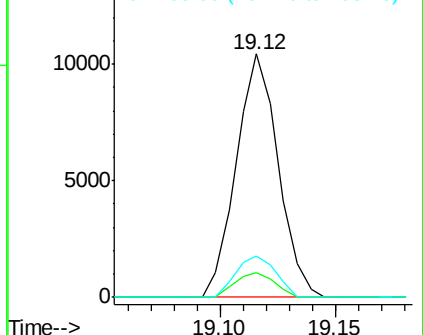
203 17.0 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

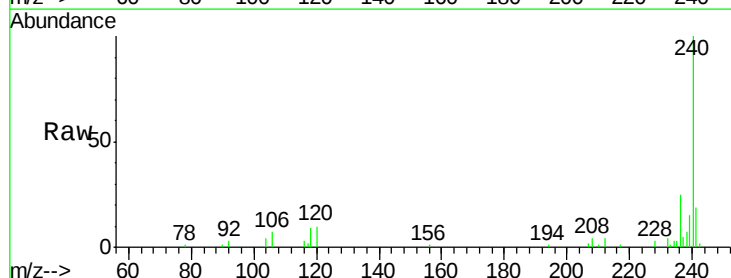
Tgt Ion:240 Resp: 38299

Ion Ratio Lower Upper

240 100

120 9.8 8.5 12.7

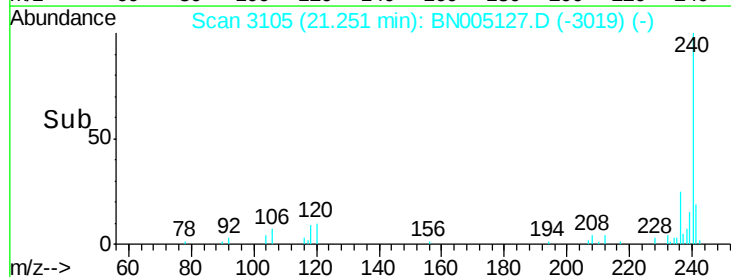
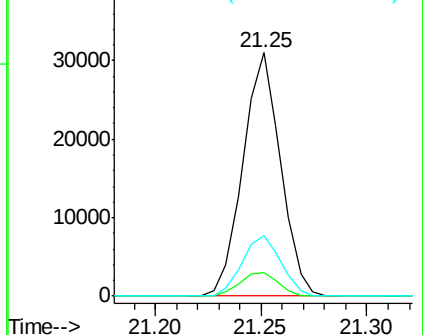
236 25.0 21.2 31.8

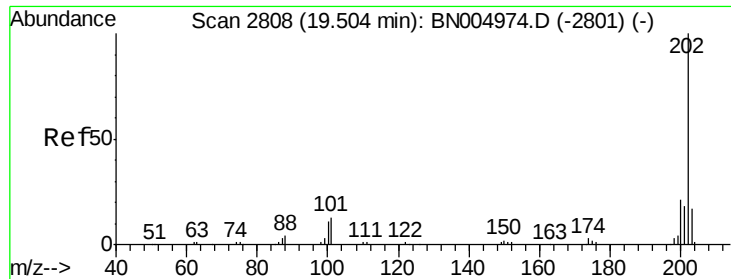


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

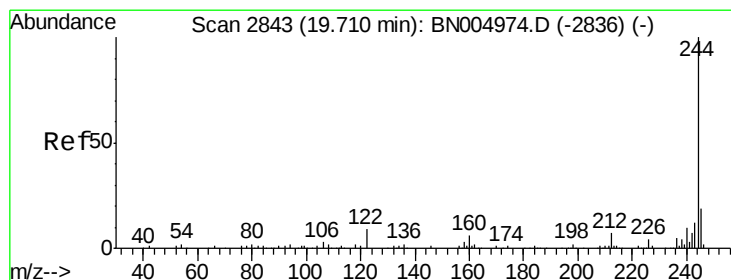
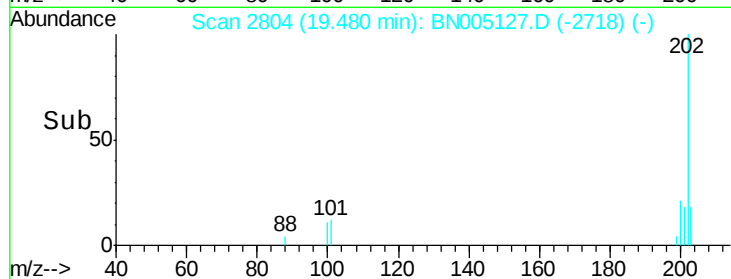
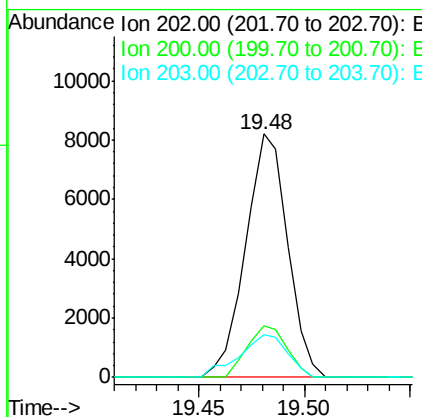
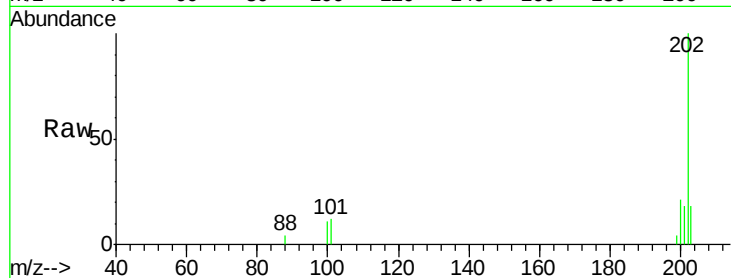




#78
 Pvrene
 Concen: 4.437 ng
 RT: 19.48 min Scan# 2804
 Delta R.T. -0.02 min
 Lab File: BN005127.D
 Acq: 10 Apr 2019 14:43

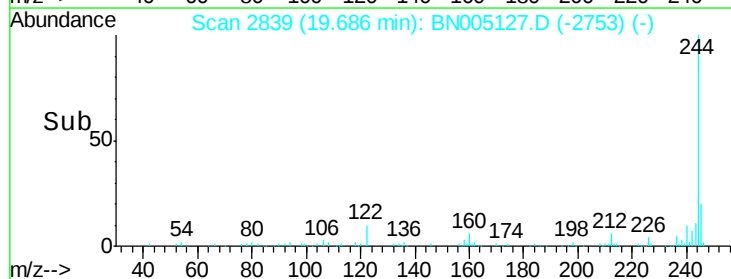
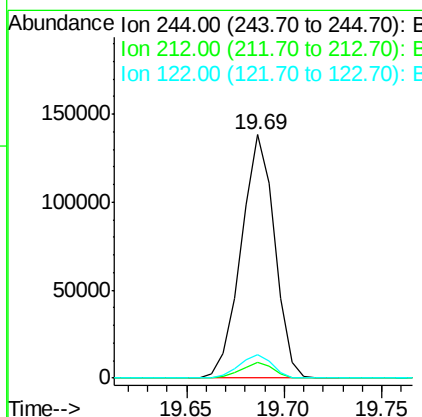
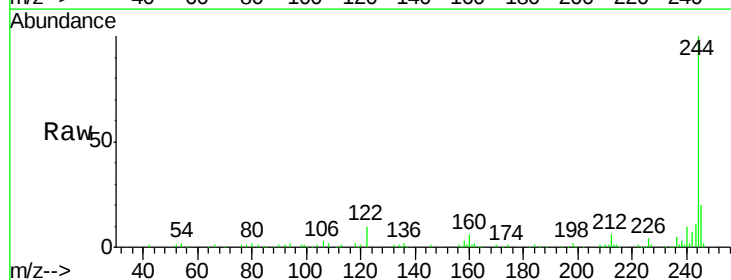
Instrument :
 BNA_N
 ClientSampled :

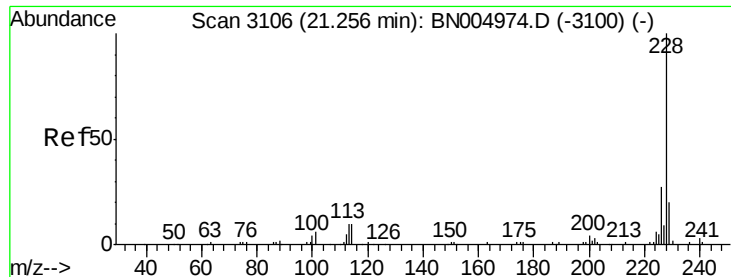
Tot Ion:202 Resp: 11348
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.4
 203 17.7 14.0 21.0



#79
 Terphenyl-d14
 Concen: 82.503 ng
 RT: 19.69 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BN005127.D
 Acq: 10 Apr 2019 14:43

Tgt Ion:244 Resp: 164123
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.6 7.4 11.2

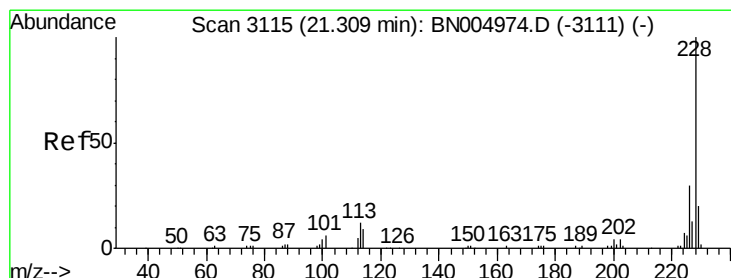
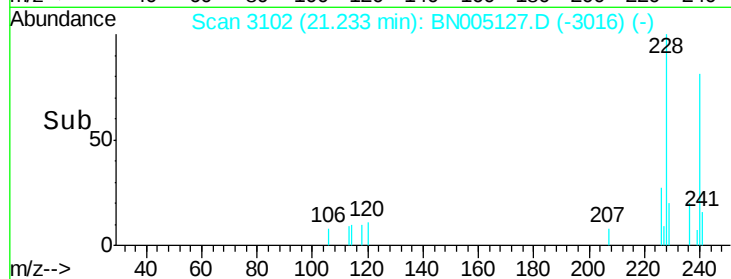
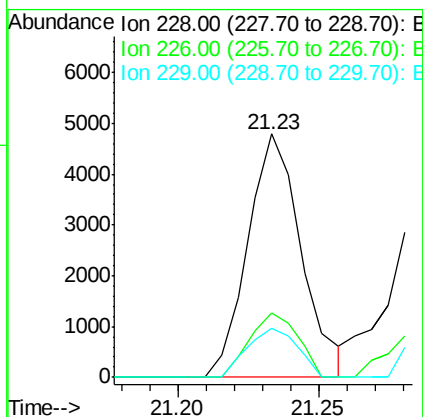
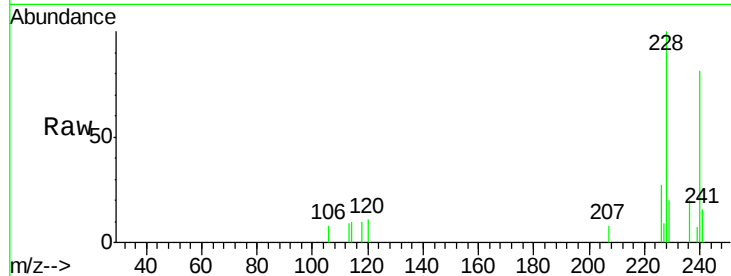




#81
Benzo(a)anthracene
Concen: 2.641 ng
RT: 21.23 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

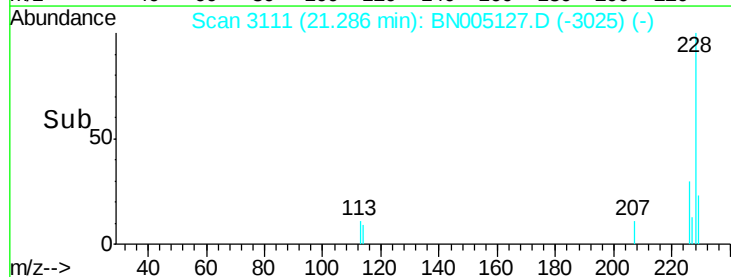
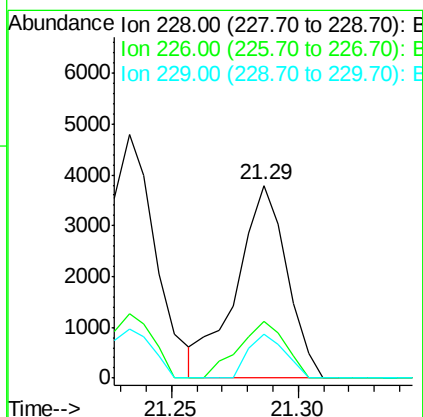
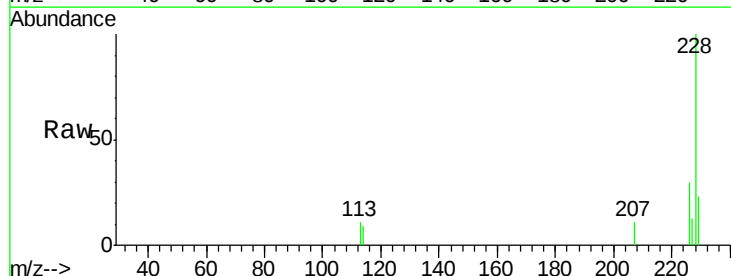
Instrument :
BNA_N
ClientSampleId :

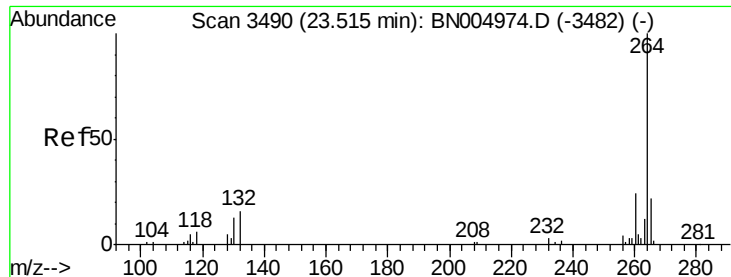
Tot Ion:228 Resp: 6301
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.6
229 20.2 15.9 23.9



#83
Chrysene
Concen: 2.291 ng
RT: 21.29 min Scan# 3111
Delta R.T. -0.02 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

Tgt Ion:228 Resp: 5221
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 23.0 15.8 23.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.48 min Scan# 3484

Delta R.T. -0.03 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

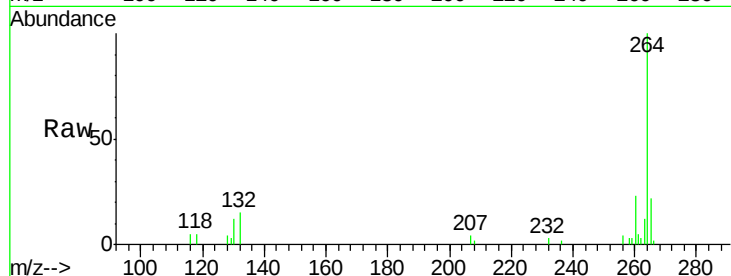
Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 37140

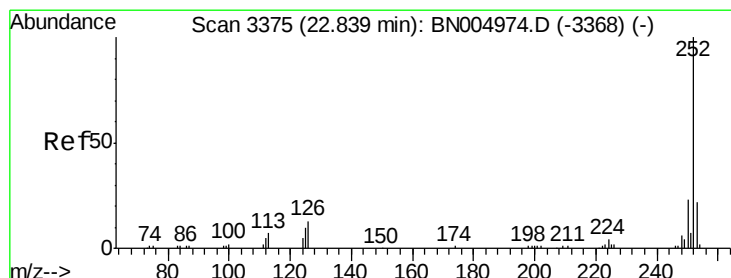
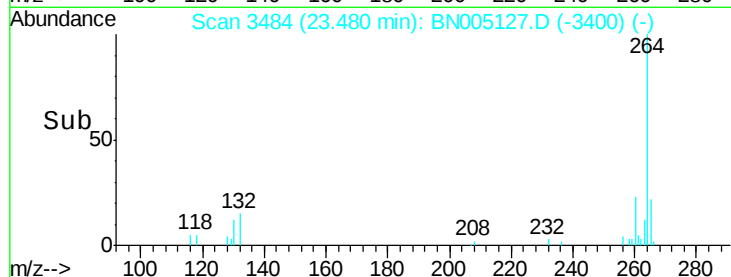
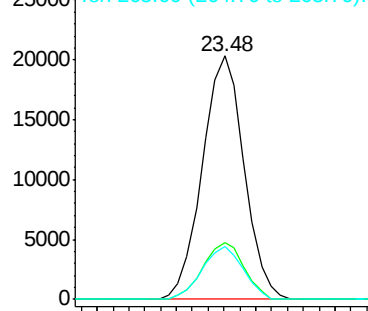
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.7	17.2	25.8



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



#88

Benzo(b)fluoranthene

Concen: 3.090 ng

RT: 22.81 min Scan# 3370

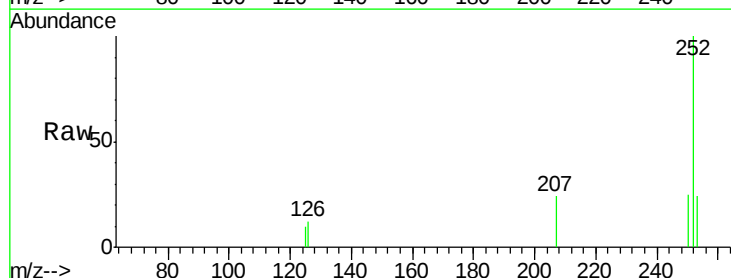
Delta R.T. -0.03 min

Lab File: BN005127.D

Acq: 10 Apr 2019 14:43

Tgt Ion:252 Resp: 7065

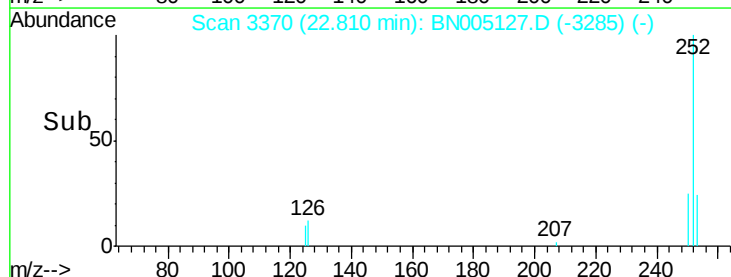
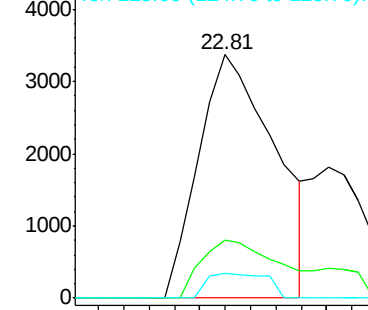
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	10.1	8.1	12.1

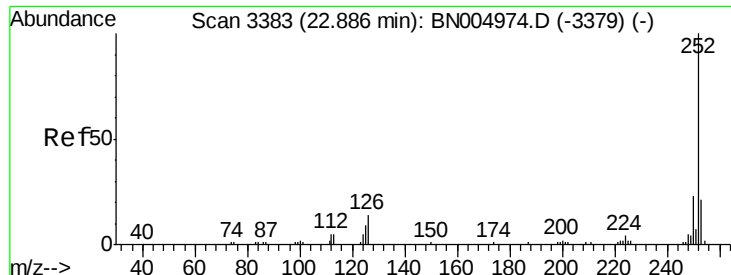


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

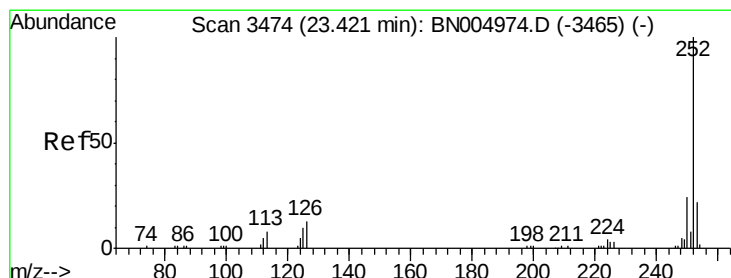
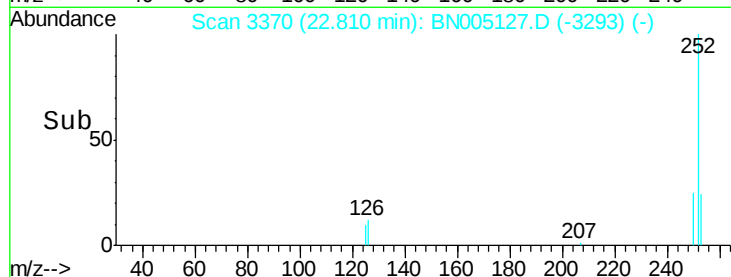
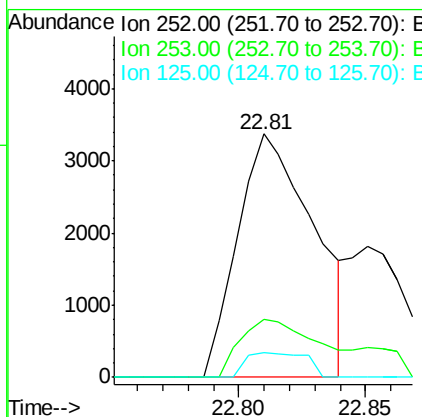
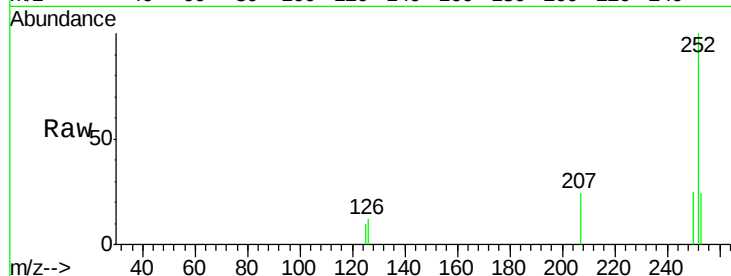




#89
Benzo(k)fluoranthene
Concen: 3.370 ng
RT: 22.81 min Scan# 3370
Delta R.T. -0.08 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 7065
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 10.1 7.6 11.4



#90
Benzo(a)pyrene
Concen: 2.438 ng
RT: 23.38 min Scan# 3467
Delta R.T. -0.04 min
Lab File: BN005127.D
Acq: 10 Apr 2019 14:43

Tgt Ion:252 Resp: 5100
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 11.0 8.2 12.4

