

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041019\
 Data File : BN005132.D
 Acq On : 10 Apr 2019 17:42
 Operator : JU/SJ
 Sample : K2345-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 11 07:32:25 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	7730	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	31249	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	18435	20.00	ng	-0.02
64) Phenanthrene-d10	17.07	188	34750	20.00	ng	0.00
76) Chrysene-d12	21.26	240	32244	20.00	ng	-0.01
87) Perylene-d12	23.49	264	33806	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	57873	129.44	ng	-0.02
7) Phenol-d6	6.83	99	76767	129.45	ng	-0.02
23) Nitrobenzene-d5	8.82	82	44669	86.47	ng	-0.03
42) 2,4,6-Tribromophenol	15.81	330	44217	148.72	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	121877	87.61	ng	-0.02
79) Terphenyl-d14	19.70	244	146587	87.53	ng	0.00

Target Compounds

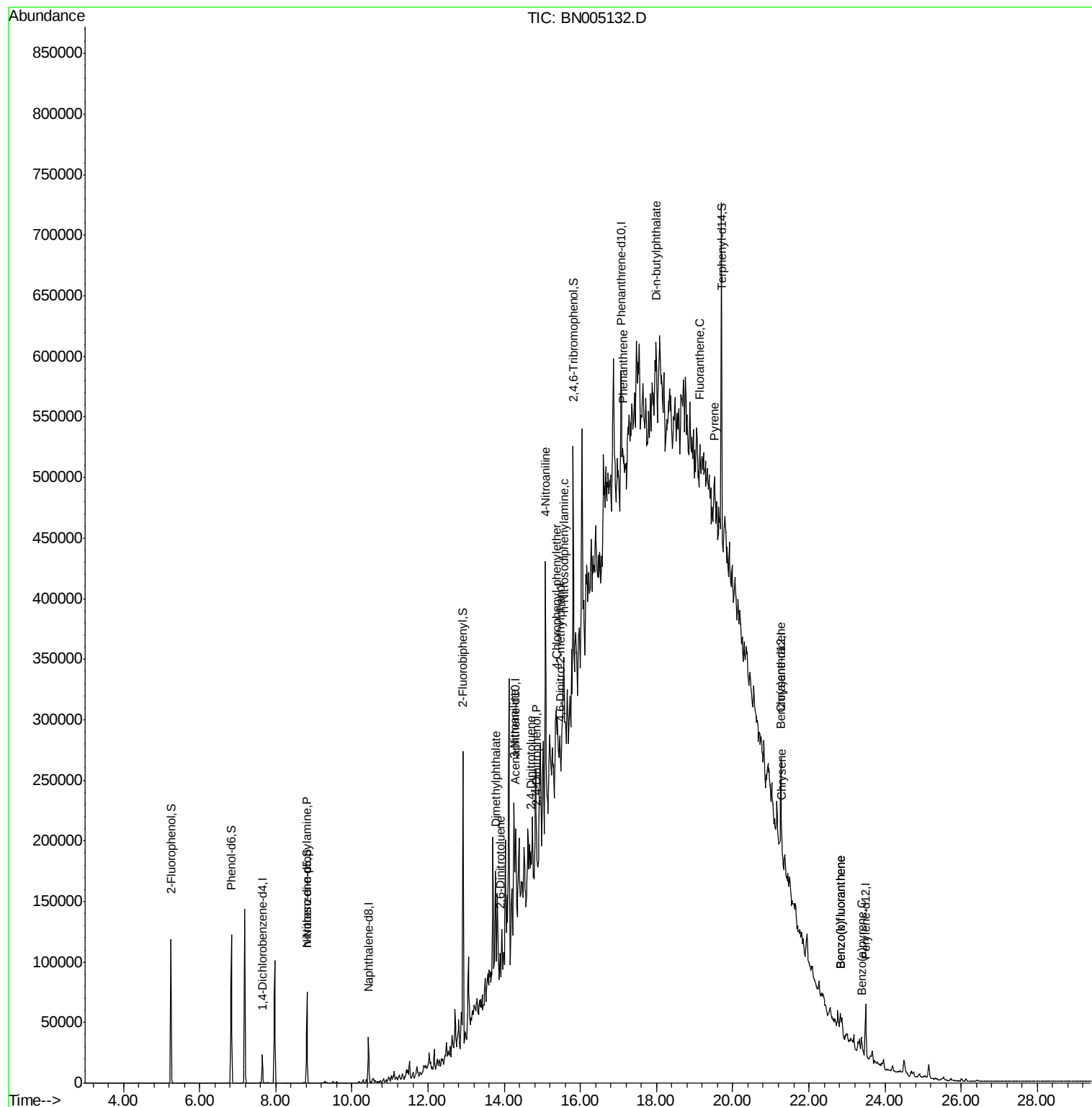
						Qvalue
19) n-Nitroso-di-n-propylamine	8.82	70	5853	15.056	ng	# 72
50) Dimethylphthalate	13.76	163	15457	10.206	ng	# 95
51) 2,6-Dinitrotoluene	13.90	165	1642	4.764	ng	# 29
53) 3-Nitroaniline	14.26	138	1378	3.912	ng	# 23
54) 2,4-Dinitrophenol	14.86	184	1433	13.552	ng	# 53
57) 2,4-Dinitrotoluene	14.71	165	1372	2.929	ng	# 27
61) 4-Chlorophenyl-phenylether	15.37	204	1641	2.184	ng	# 9
62) 4-Nitroaniline	15.09	138	3584	10.127	ng	# 77
65) 4,6-Dinitro-2-methylphenol	15.49	198	247	4.133	ng	# 1
66) n-Nitrosodiphenylamine	15.57	169	8349	7.627	ng	# 47
71) Phenanthrene	17.11	178	6737	3.450	ng	# 49
74) Di-n-butylphthalate	18.00	149	5551	2.576	ng	# 31
75) Fluoranthene	19.14	202	8119	3.645	ng	# 65
78) Pyrene	19.50	202	8653	4.019	ng	# 64
81) Benzo(a)anthracene	21.25	228	4843	2.411	ng	# 75
83) Chrysene	21.30	228	4988	2.600	ng	# 77
88) Benzo(b)fluoranthene	22.82	252	6963	3.346	ng	# 74
89) Benzo(k)fluoranthene	22.82	252	6963	3.649	ng	# 73
90) Benzo(a)pyrene	23.39	252	4377	2.299	ng	# 79

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

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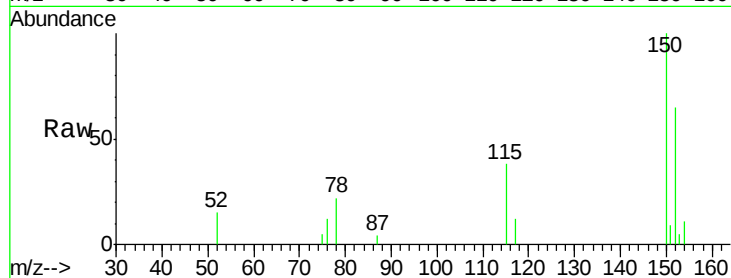


#1

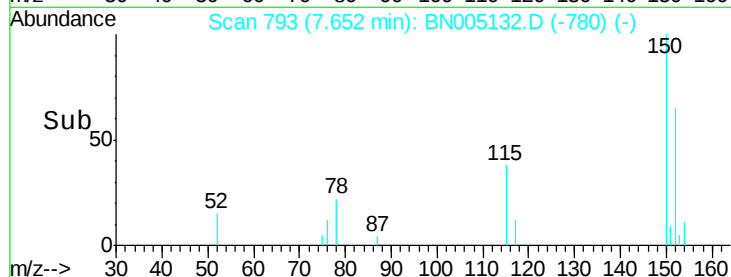
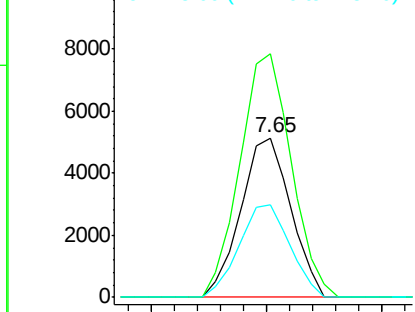
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7730
Ion Ratio Lower Upper
152 100
150 152.9 126.9 190.3
115 58.0 47.8 71.6



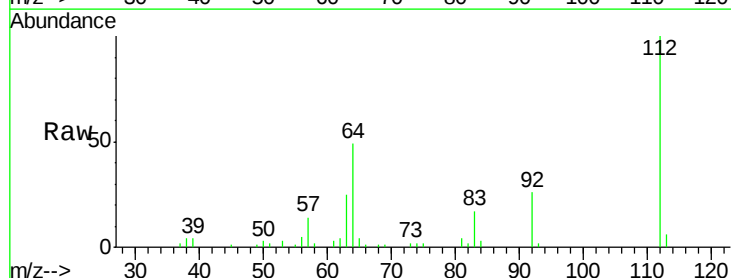
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



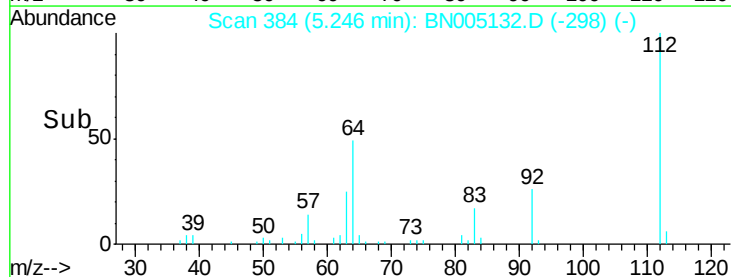
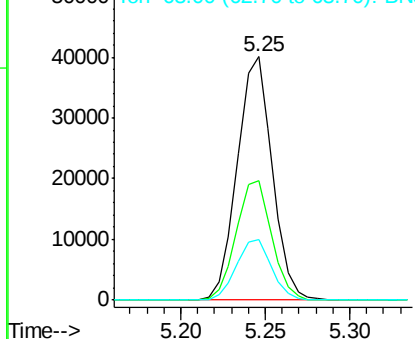
#5

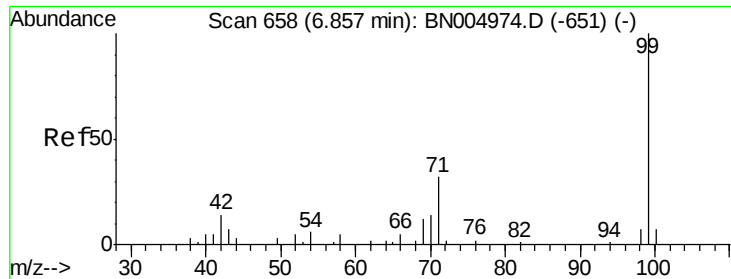
2-Fluorophenol
Concen: 129.439 ng
RT: 5.25 min Scan# 384
Delta R.T. -0.02 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

Tgt Ion:112 Resp: 57873
Ion Ratio Lower Upper
112 100
64 49.2 41.9 62.9
63 24.8 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: 129.452 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampleId :

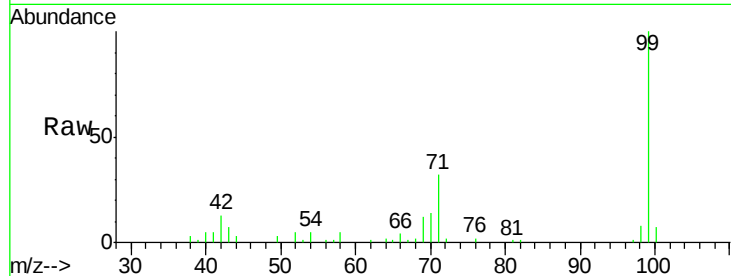
Tot Ion: 99 Resp: 76767

Ion Ratio Lower Upper

99 100

42 12.9 11.4 17.0

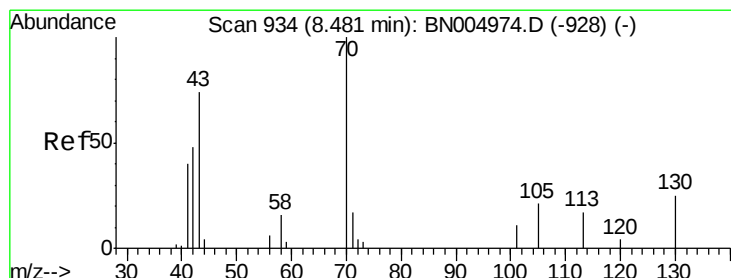
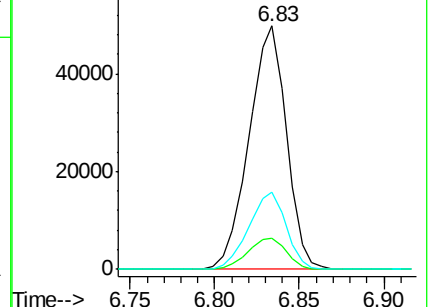
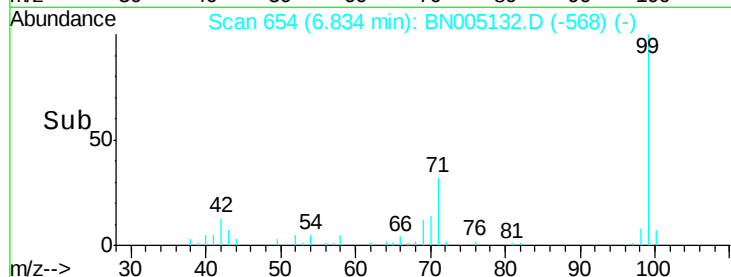
71 31.6 25.8 38.8



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: 15.056 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.34 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Tgt Ion: 70 Resp: 5853

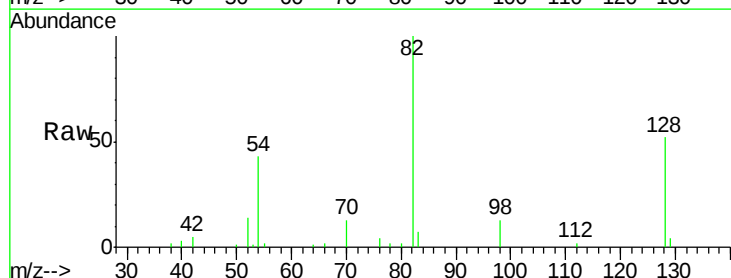
Ion Ratio Lower Upper

70 100

42 37.0 38.4 57.6#

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

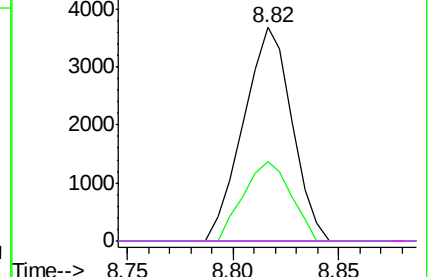
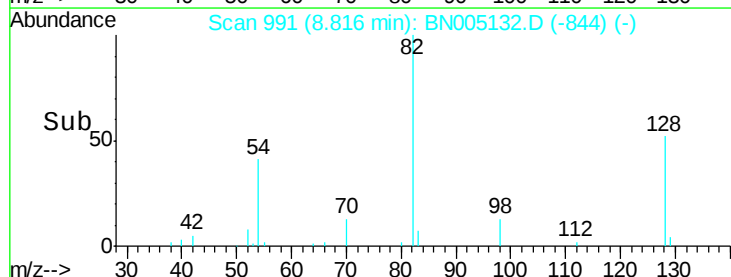


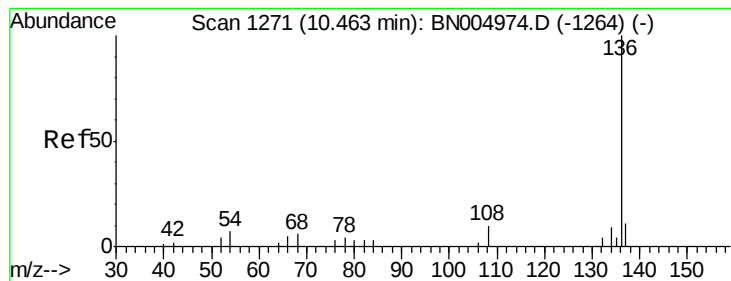
Abundance Ion 70.00 (69.70 to 70.70): BN004974.D (-928) (-)

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: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampled :

Tot Ion:136 Resp: 31249

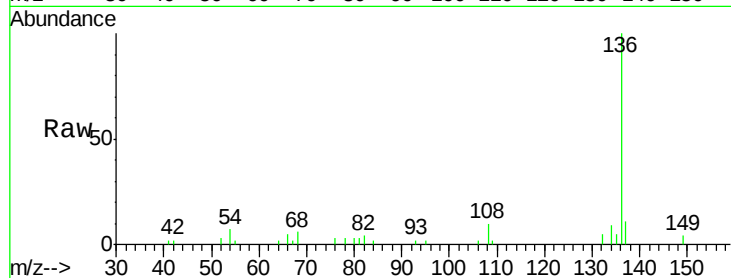
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.7 5.3 7.9

68 5.8 4.6 6.8

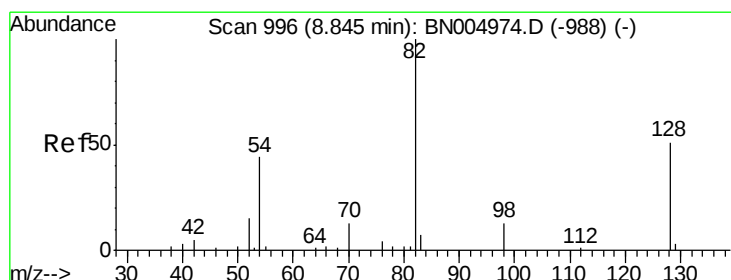
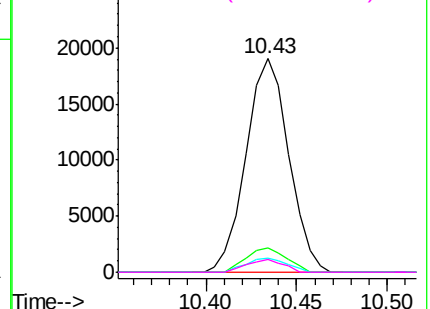
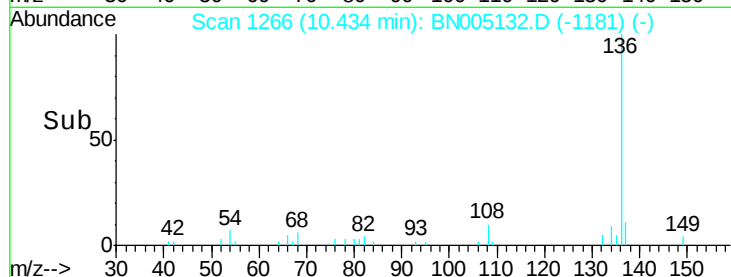


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.470 ng

RT: 8.82 min Scan# 991

Delta R.T. -0.03 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

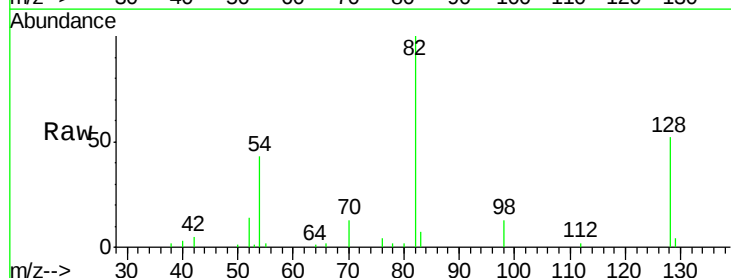
Tgt Ion: 82 Resp: 44669

Ion Ratio Lower Upper

82 100

128 52.0 40.6 60.8

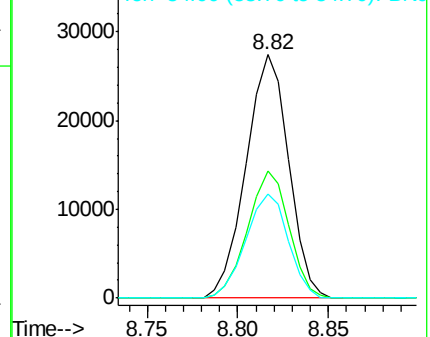
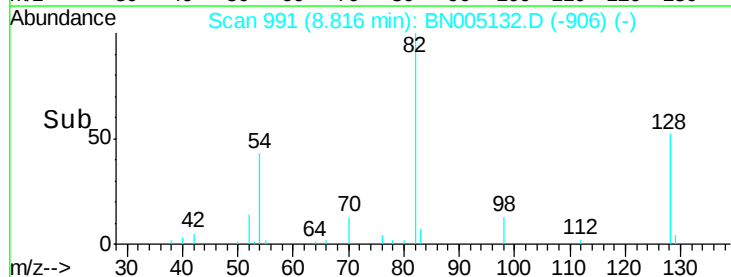
54 42.7 35.2 52.8

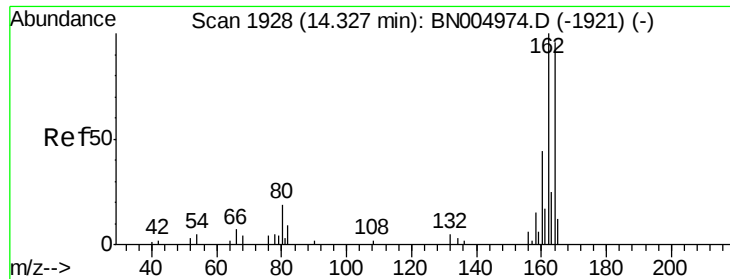


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

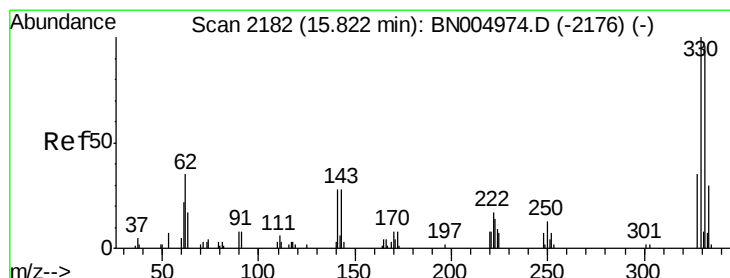
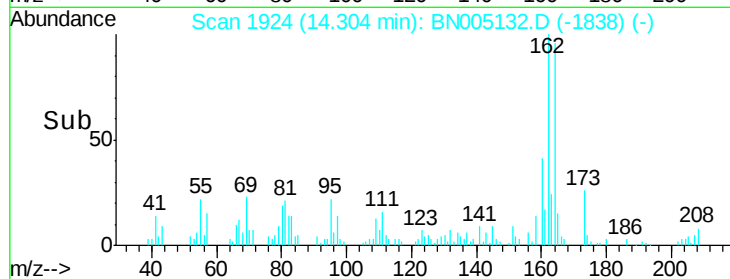
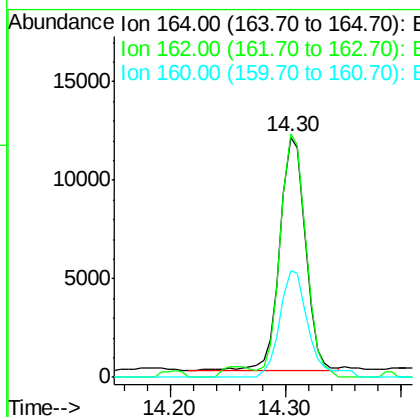
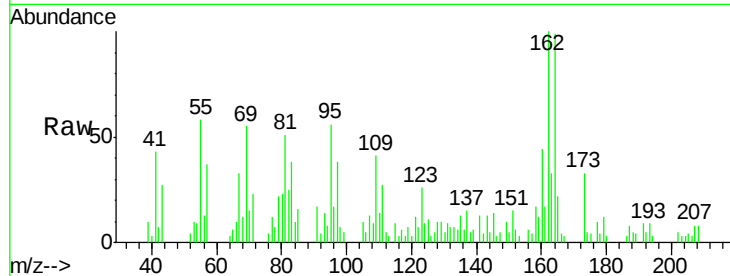




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1924
Delta R.T. -0.02 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

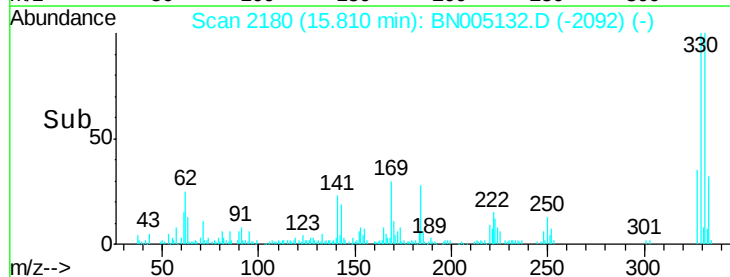
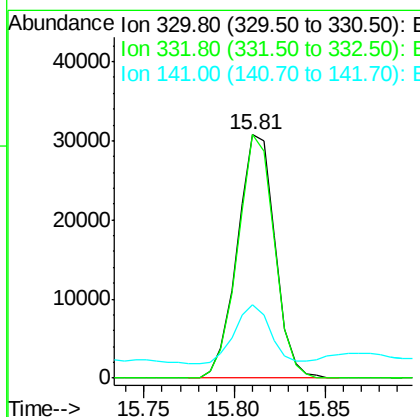
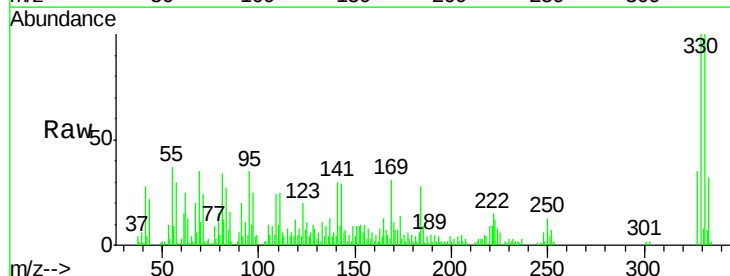
Instrument :
BNA_N
ClientSampleId :

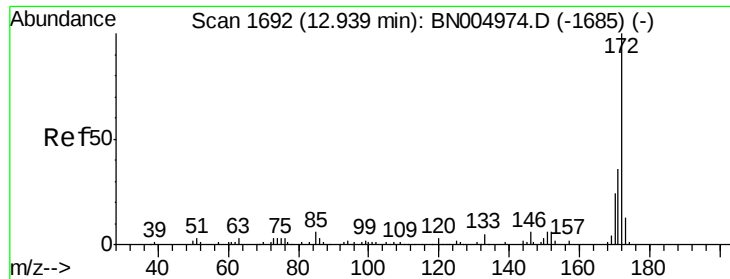
Tot Ion:164 Resp: 18435
Ion Ratio Lower Upper
164 100
162 101.5 83.4 125.0
160 44.4 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 148.717 ng
RT: 15.81 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

Tgt Ion:330 Resp: 44217
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 22.6 22.1 33.1

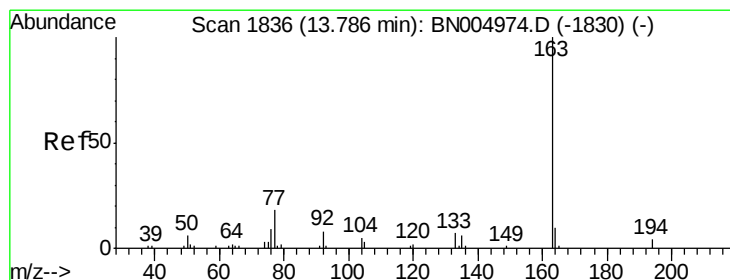
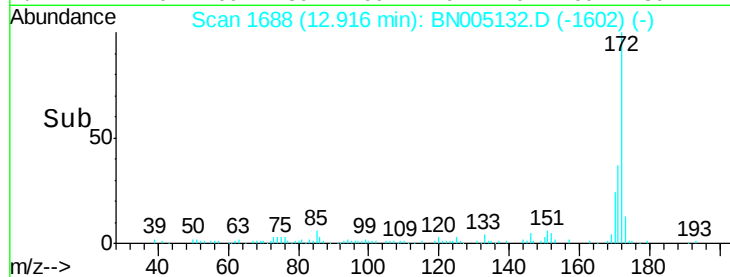
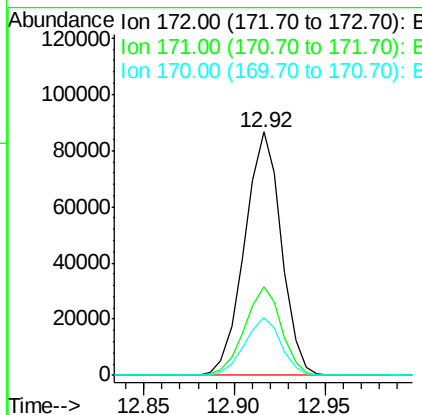
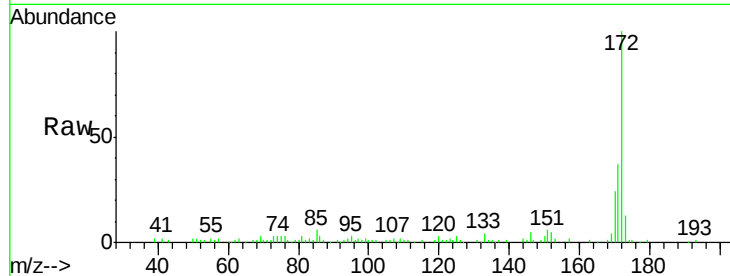




#45
2-Fluorobiphenyl
Concen: 87.606 ng
RT: 12.92 min Scan# 1688
Delta R.T. -0.02 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

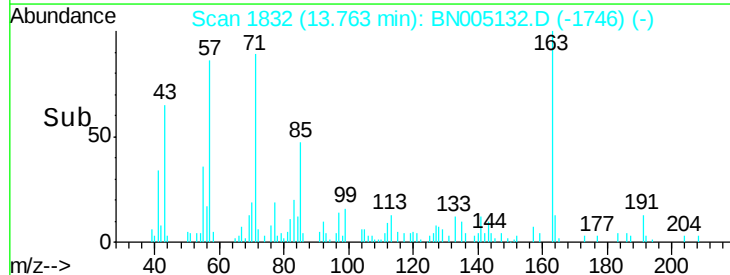
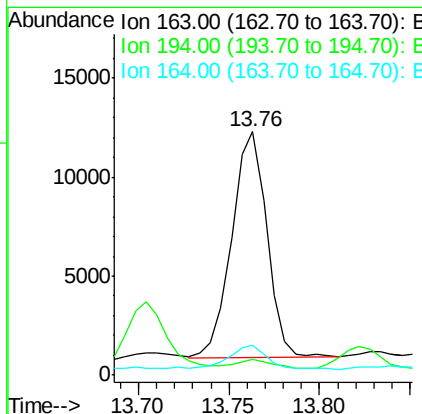
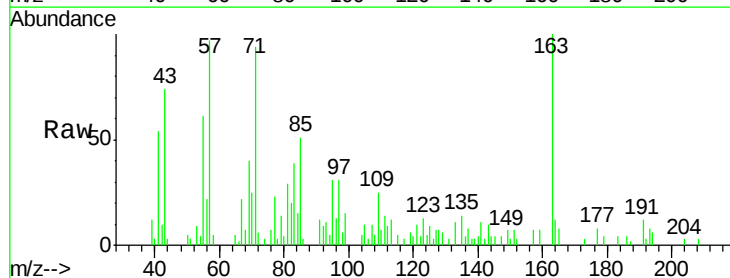
Instrument :
BNA_N
ClientSampleId :

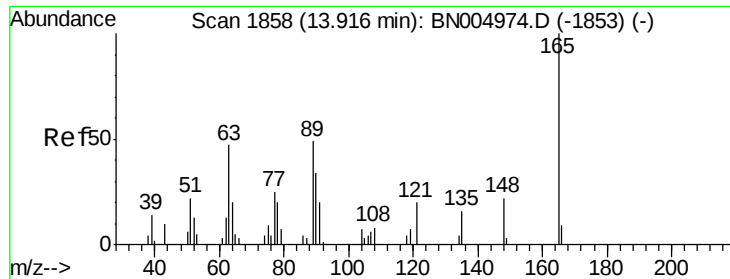
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	23.6	18.9	28.3



#50
Dimethylphthalate
Concen: 10.206 ng
RT: 13.76 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.4	3.4	5.0#
164	12.1	8.3	12.5





#51

2,6-Dinitrotoluene

Concen: 4.764 ng

RT: 13.90 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampled :

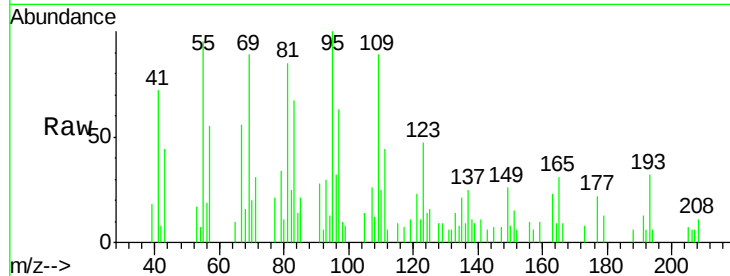
Tot Ion:165 Resp: 1642

Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

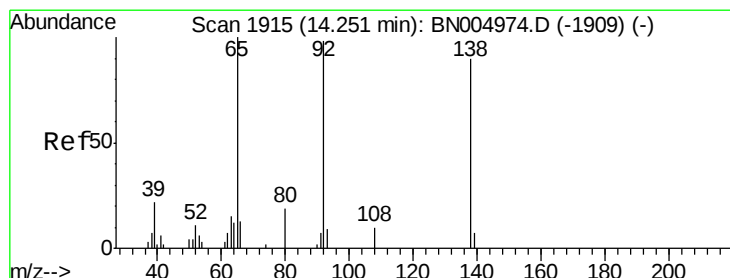
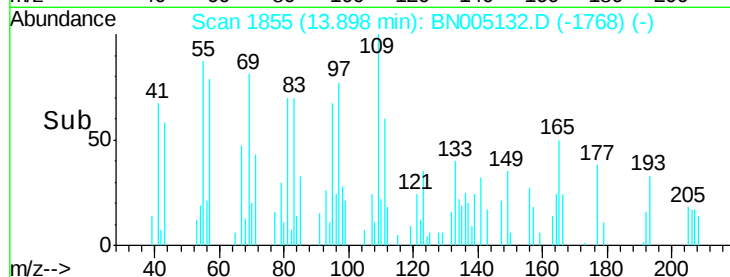
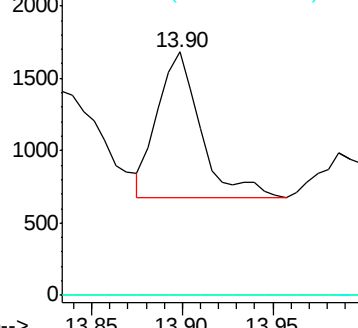
89 0.0 39.2 58.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 89.00 (88.70 to 89.70): BNO



#53

3-Nitroaniline

Concen: 3.912 ng

RT: 14.26 min Scan# 1916

Delta R.T. 0.01 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

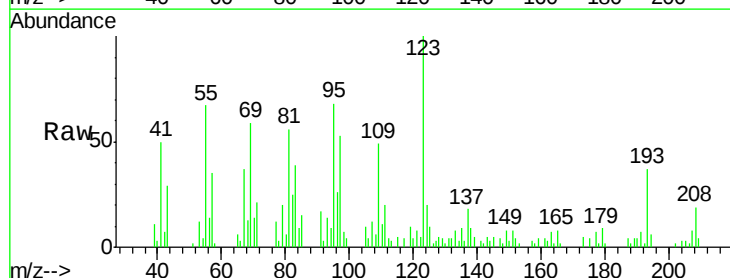
Tgt Ion:138 Resp: 1378

Ion Ratio Lower Upper

138 100

108 66.1 8.6 12.8#

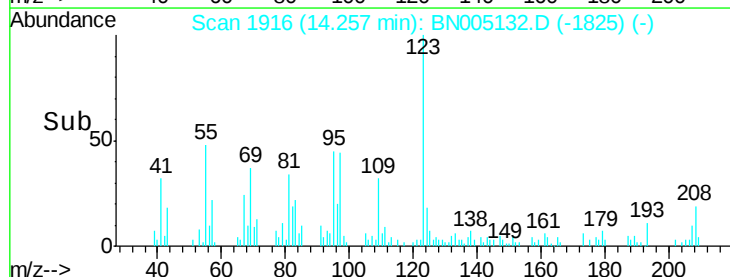
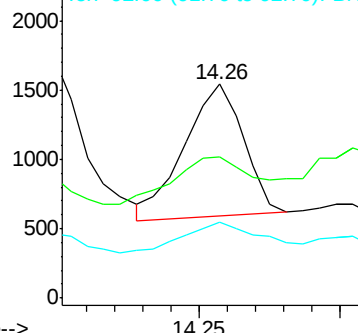
92 35.3 86.9 130.3#

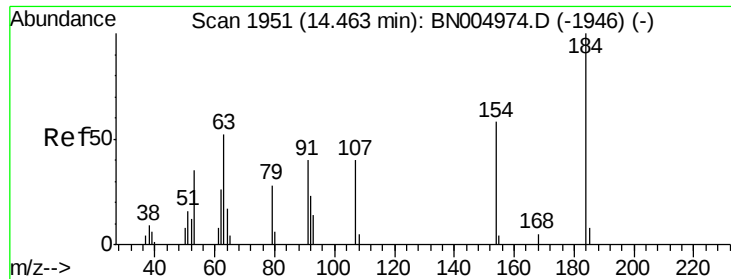


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNO

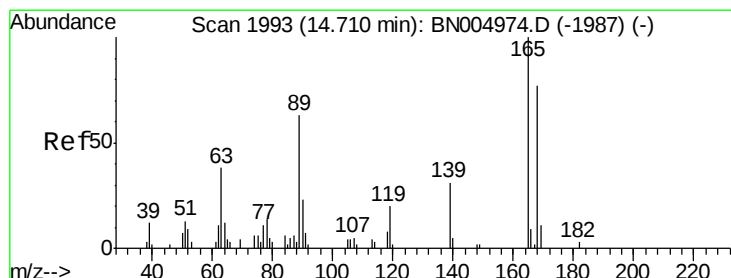
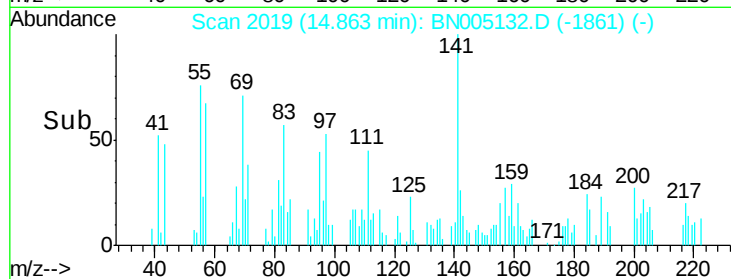
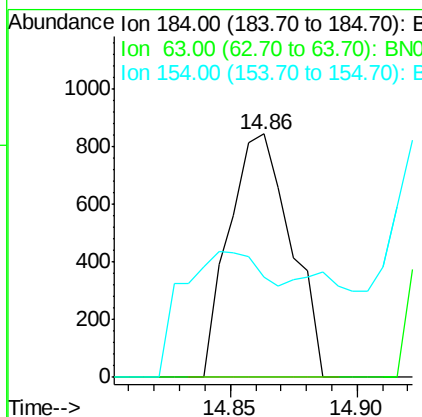
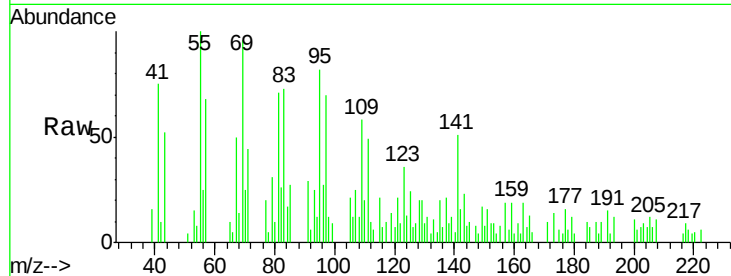




#54
2,4-Dinitrophenol
Concen: 13.552 ng
RT: 14.86 min Scan# 2019
Delta R.T. 0.40 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

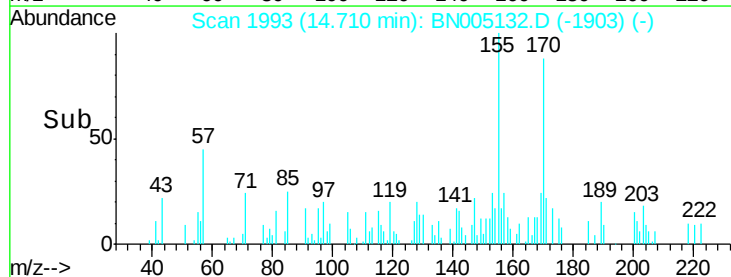
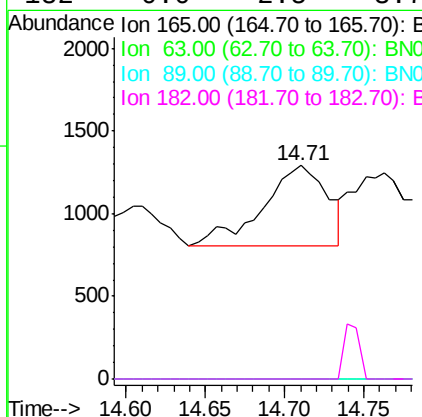
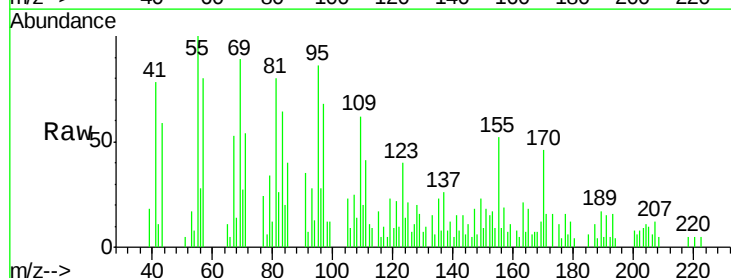
Instrument :
BNA_N
ClientSampled :

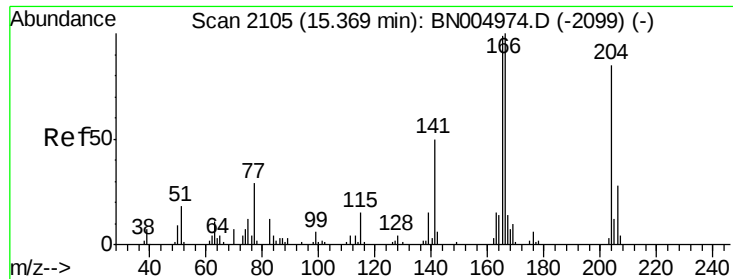
Tot Ion:184 Resp: 1433
Ion Ratio Lower Upper
184 100
63 0.0 41.6 62.4#
154 41.0 46.8 70.2#



#57
2,4-Dinitrotoluene
Concen: 2.929 ng
RT: 14.71 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

Tgt Ion:165 Resp: 1372
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#

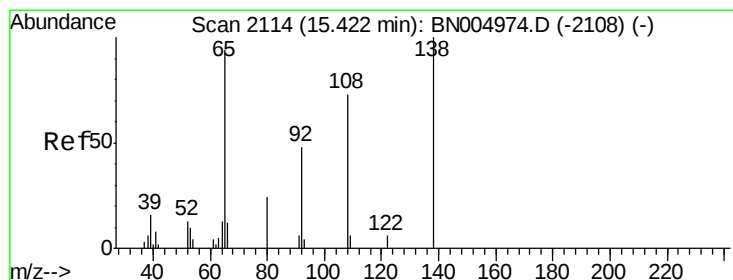
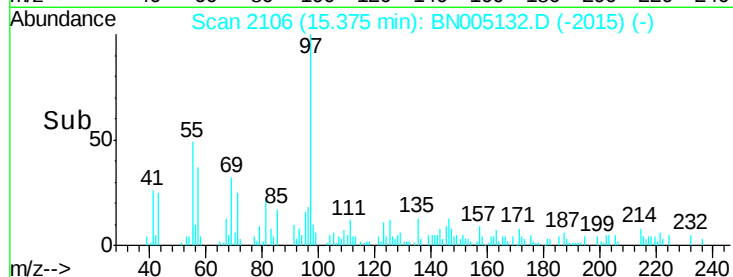
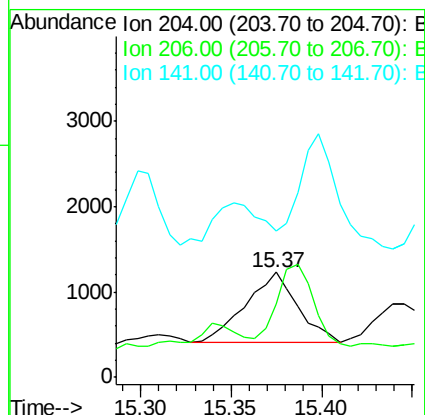
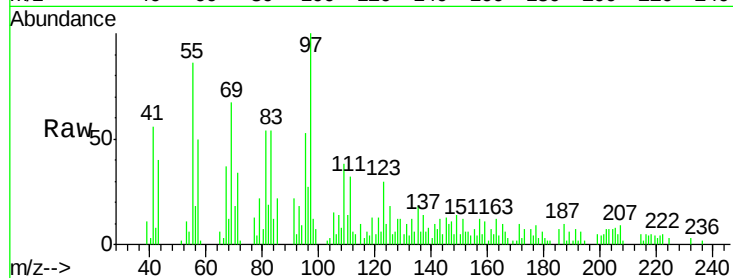




#61
4-Chlorophenyl-phenylether
Concen: 2.184 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.01 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

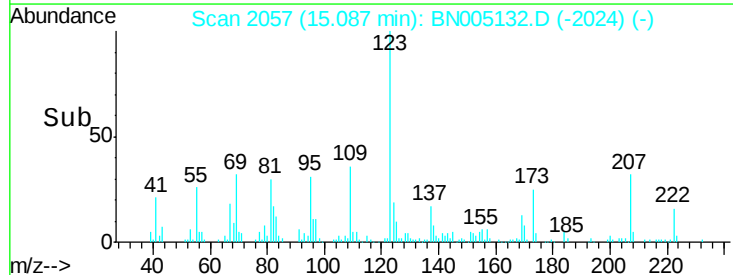
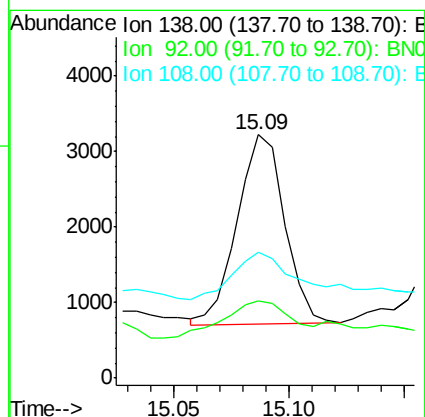
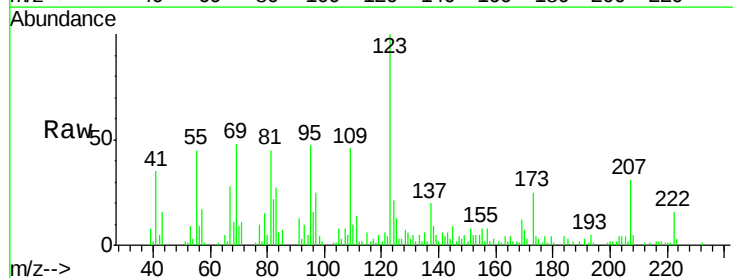
Instrument :
BNA_N
ClientSampled :

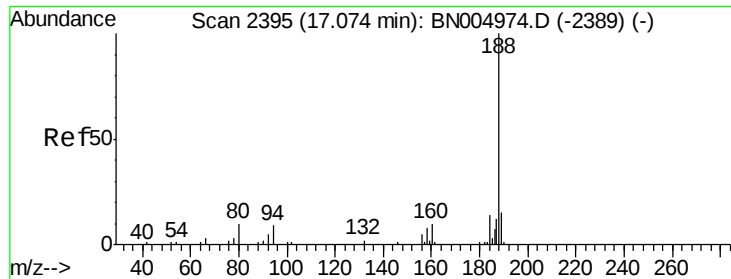
Tot Ion:204 Resp: 1641
Ion Ratio Lower Upper
204 100
206 69.2 26.5 39.7#
141 138.9 47.2 70.8#



#62
4-Nitroaniline
Concen: 10.127 ng
RT: 15.09 min Scan# 2057
Delta R.T. -0.33 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

Tgt Ion:138 Resp: 3584
Ion Ratio Lower Upper
138 100
92 31.8 26.4 66.4
108 51.7 50.8 90.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampleId :

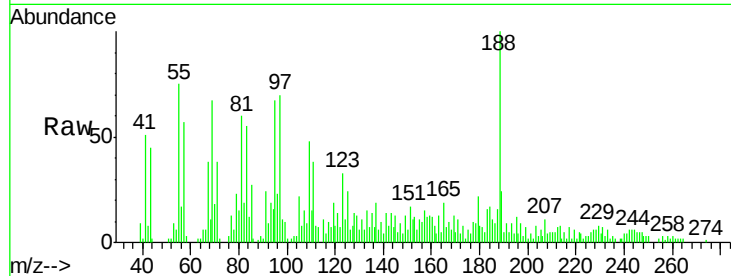
Tot Ion:188 Resp: 34750

Ion Ratio Lower Upper

188 100

94 16.3 7.2 10.8#

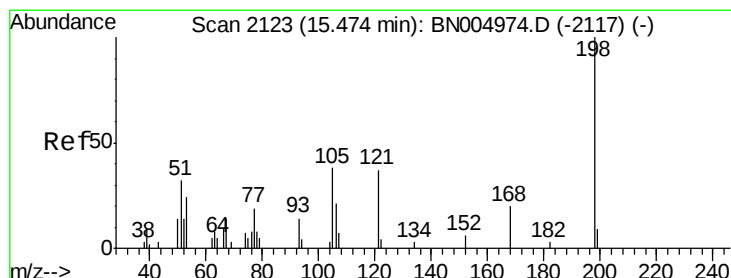
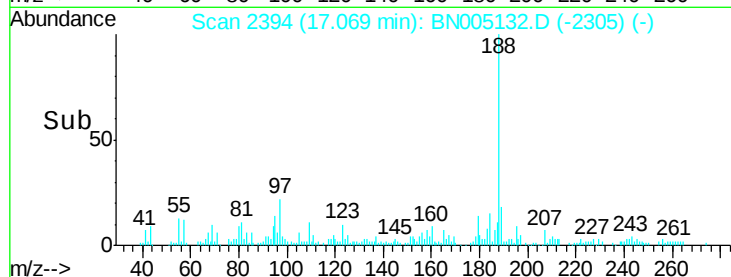
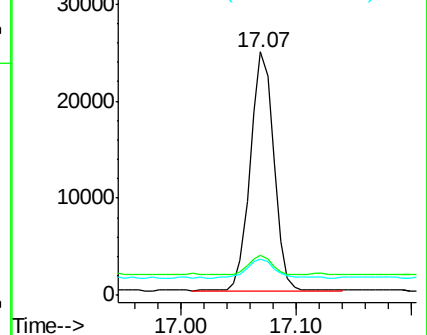
80 15.0 7.8 11.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.133 ng

RT: 15.49 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

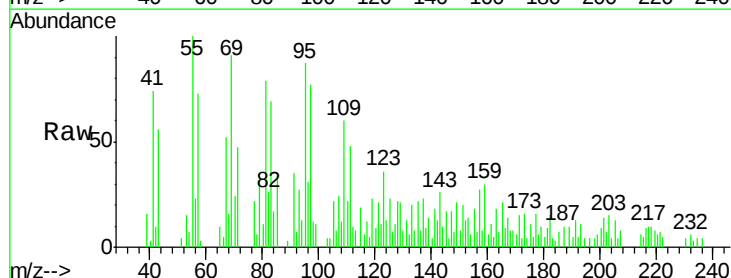
Tgt Ion:198 Resp: 247

Ion Ratio Lower Upper

198 100

51 108.7 12.0 52.0#

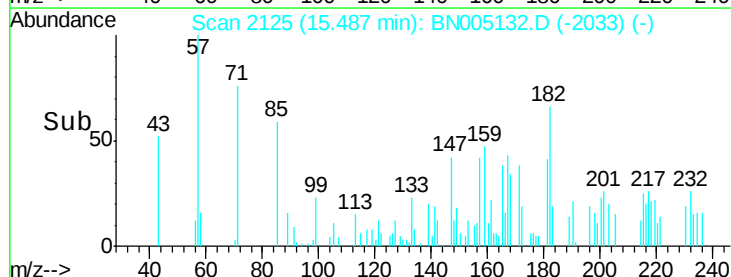
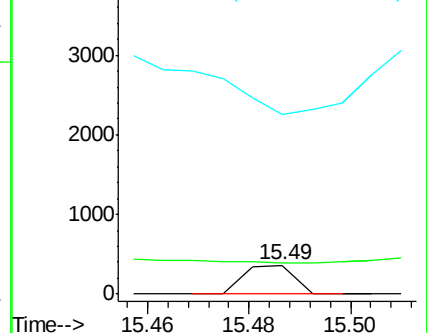
105 618.0 17.6 57.6#

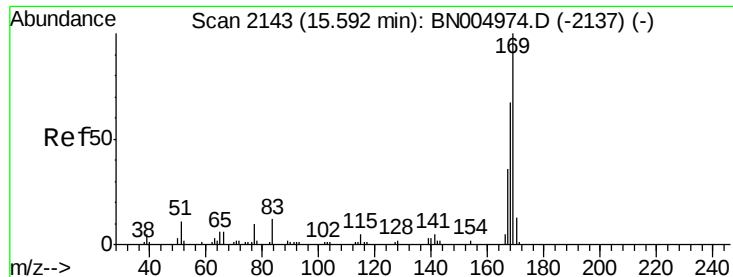


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

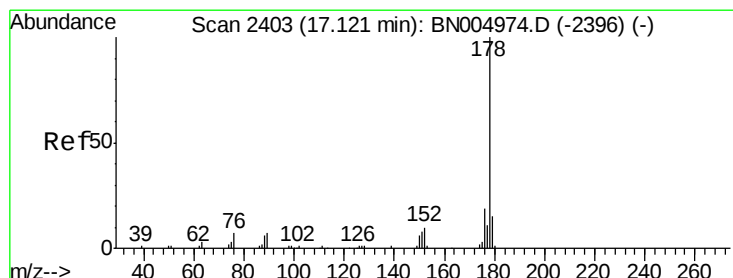
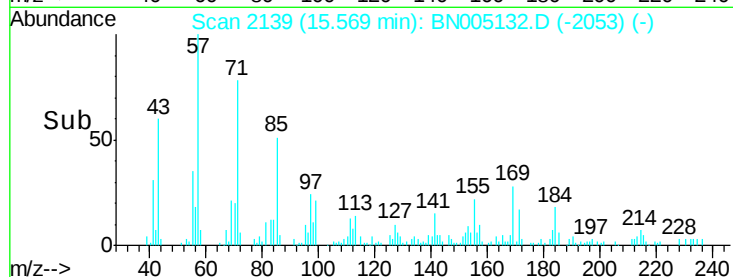
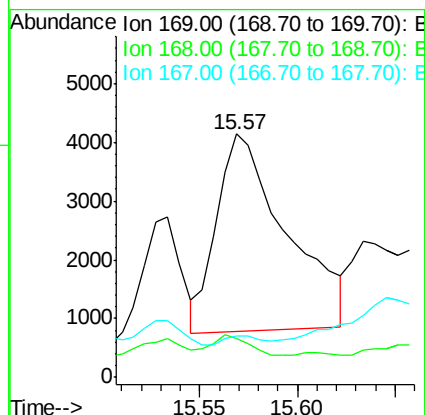
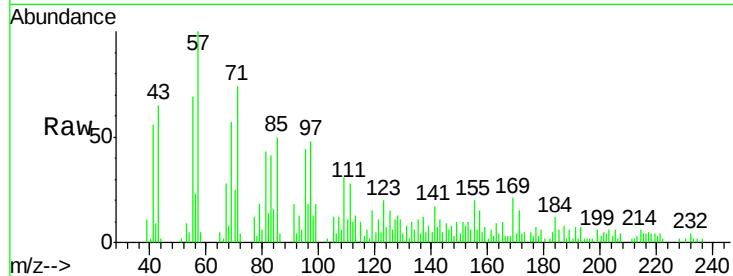




#66
 n-Nitrosodiphenylamine
 Concen: 7.627 ng
 RT: 15.57 min Scan# 2139
 Delta R.T. -0.02 min
 Lab File: BN005132.D
 Acq: 10 Apr 2019 17:42

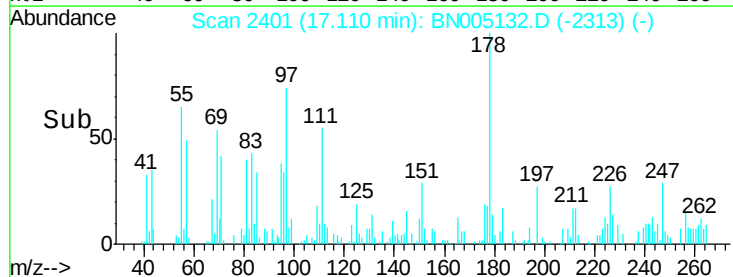
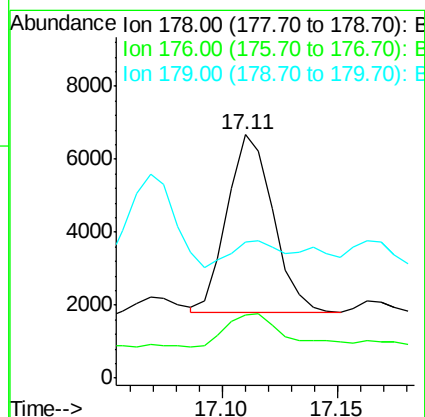
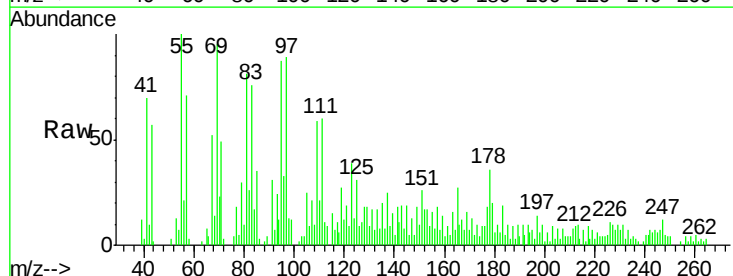
Instrument :
 BNA_N
 ClientSampleId :

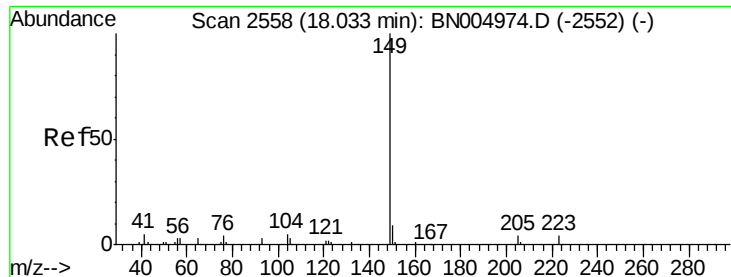
Tot Ion:169 Resp: 8349
 Ion Ratio Lower Upper
 169 100
 168 15.7 53.4 80.2#
 167 16.7 28.9 43.3#



#71
 Phenanthrene
 Concen: 3.450 ng
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN005132.D
 Acq: 10 Apr 2019 17:42

Tgt Ion:178 Resp: 6737
 Ion Ratio Lower Upper
 178 100
 176 26.1 15.4 23.2#
 179 55.9 12.3 18.5#





#74

Di-n-butylphthalate

Concen: 2.576 ng

RT: 18.00 min Scan# 2553

Delta R.T. -0.03 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampled :

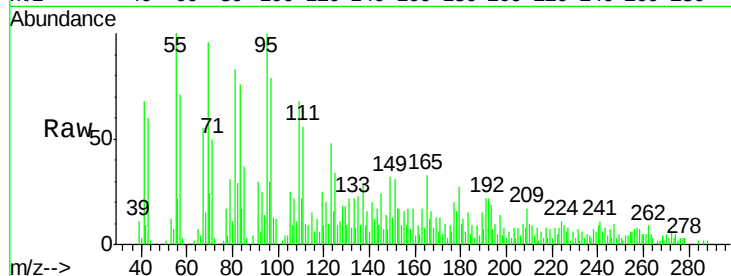
Tot Ion:149 Resp: 5551

Ion Ratio Lower Upper

149 100

150 42.3 7.4 11.0#

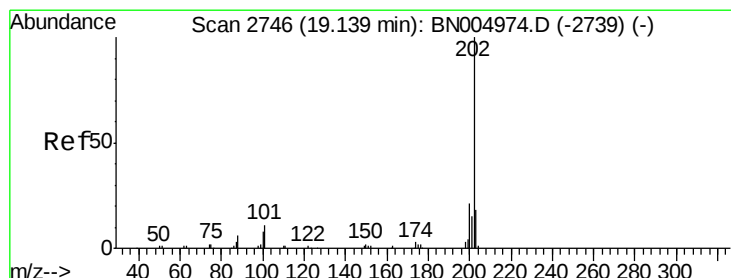
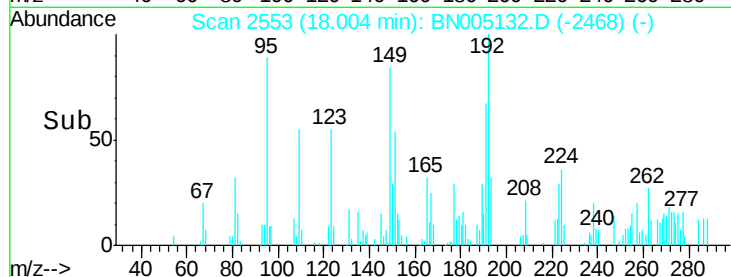
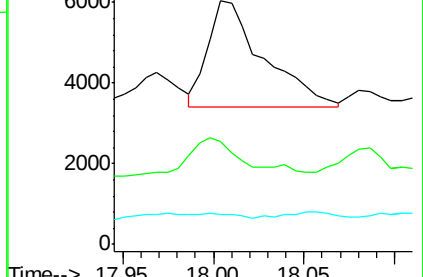
104 12.4 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 3.645 ng

RT: 19.14 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

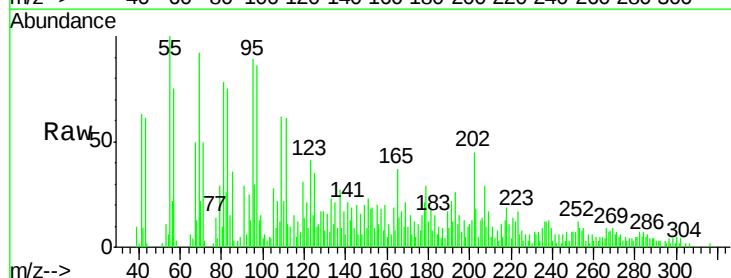
Tgt Ion:202 Resp: 8119

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.1

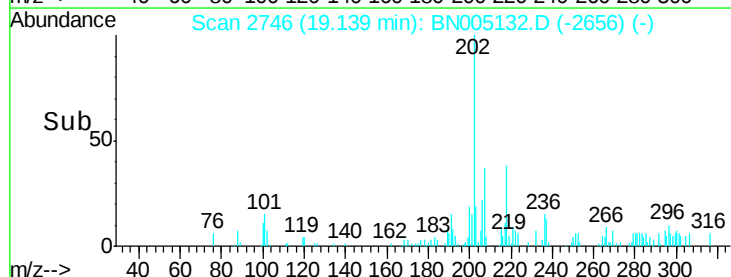
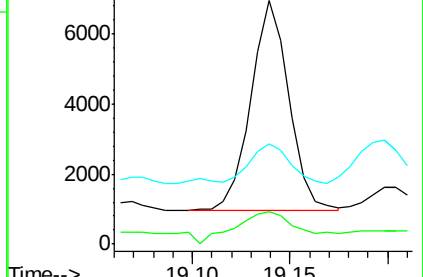
203 40.9 0.0 37.5#

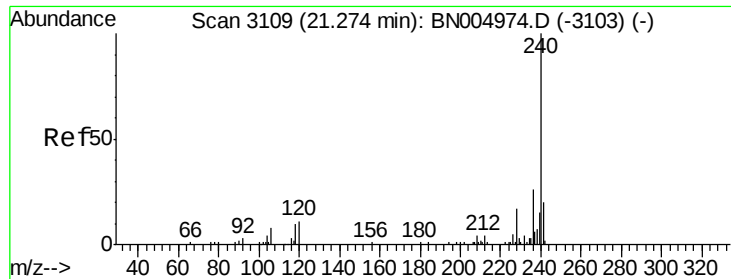


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

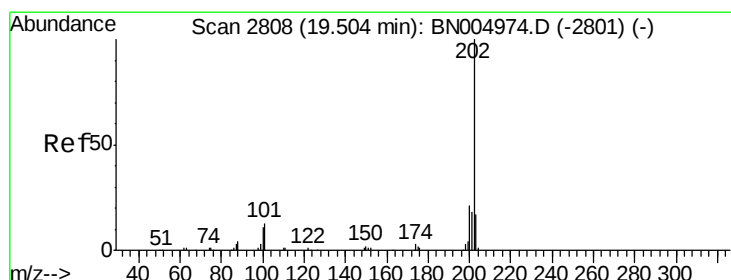
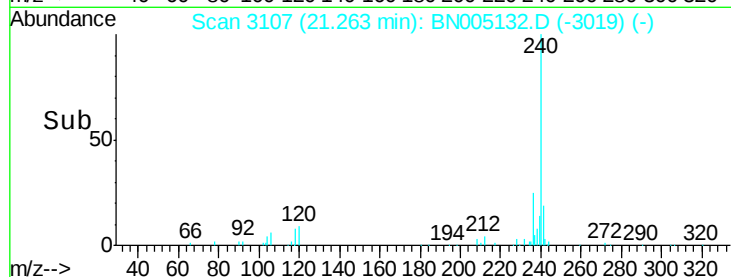
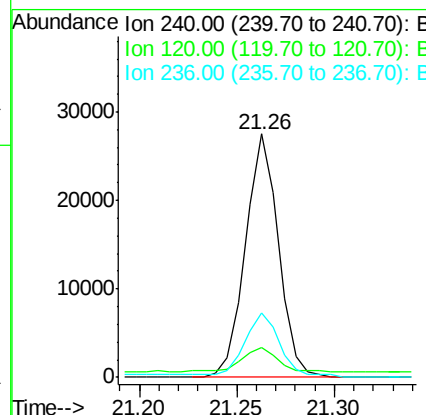
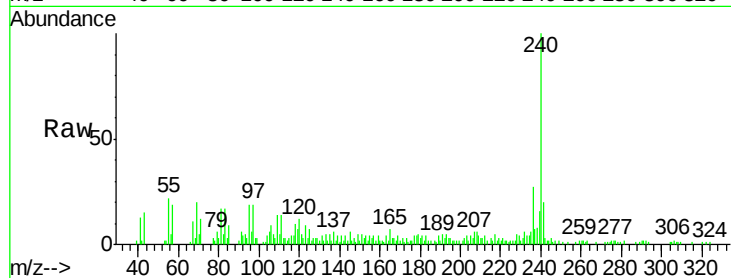




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

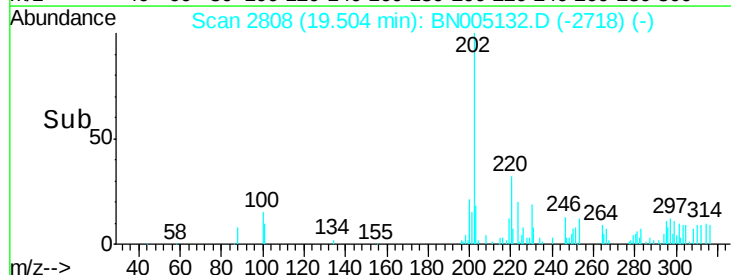
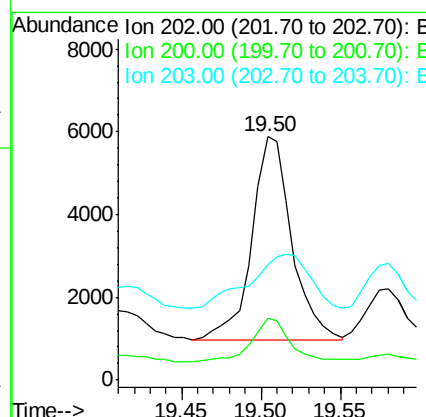
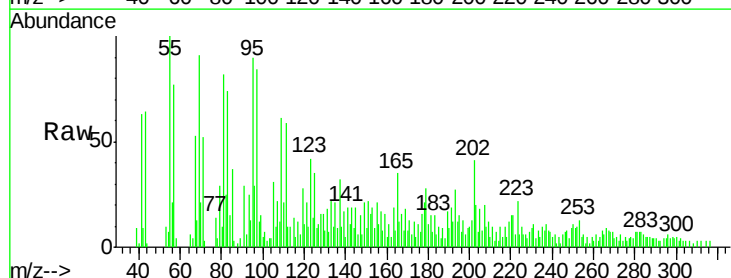
Instrument :
BNA_N
ClientSampleId :

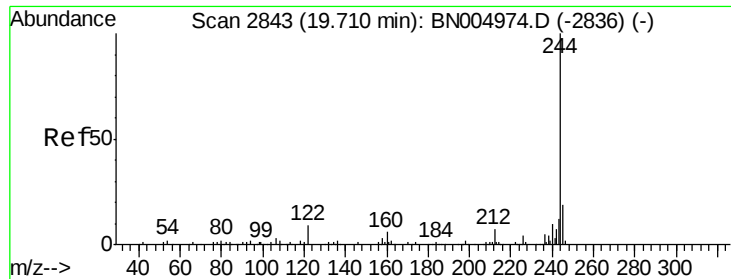
Tot Ion:240 Resp: 32244
Ion Ratio Lower Upper
240 100
120 12.1 8.5 12.7
236 26.7 21.2 31.8



#78
Pyrene
Concen: 4.019 ng
RT: 19.50 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BN005132.D
Acq: 10 Apr 2019 17:42

Tgt Ion:202 Resp: 8653
Ion Ratio Lower Upper
202 100
200 25.2 17.0 25.4
203 47.7 14.0 21.0#





#79

Terphenyl-d14

Concen: 87.525 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampleId :

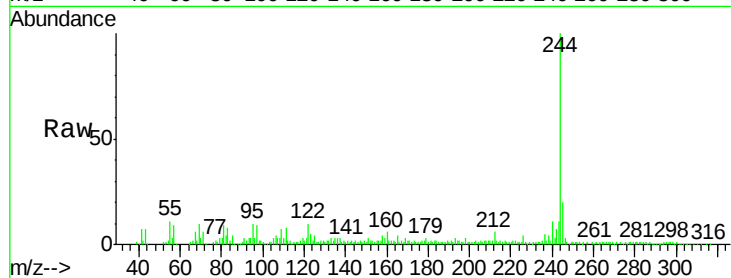
Tot Ion:244 Resp: 146587

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

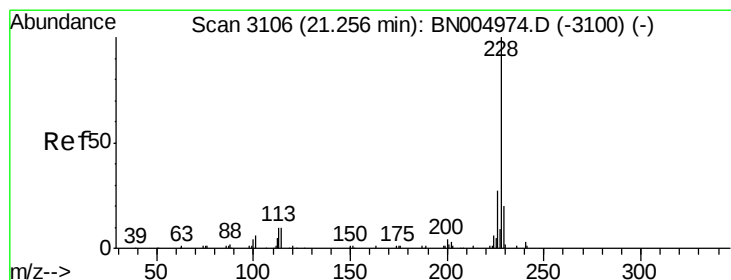
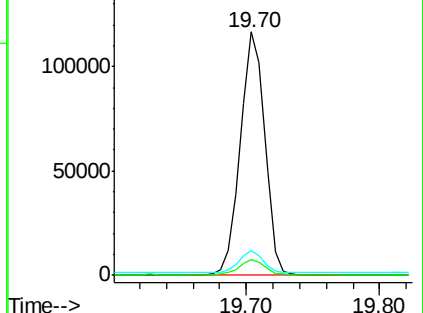
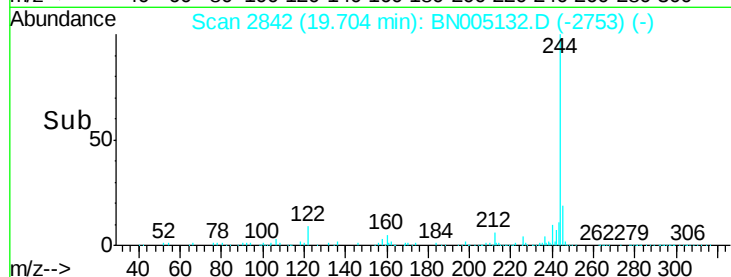
122 10.0 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.411 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

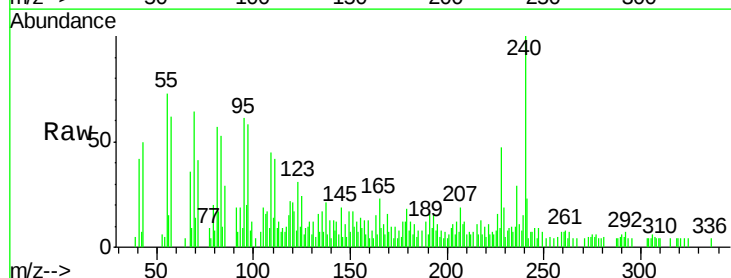
Tgt Ion:228 Resp: 4843

Ion Ratio Lower Upper

228 100

226 33.0 21.8 32.6#

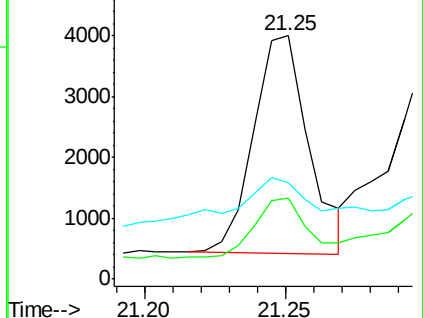
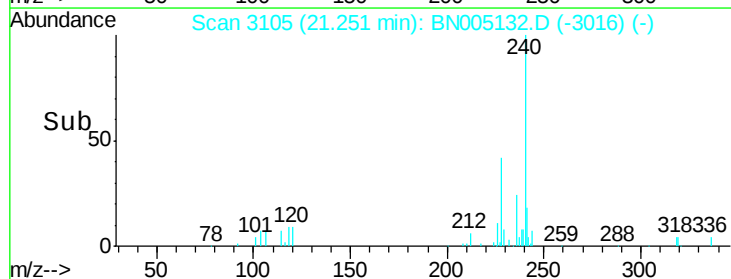
229 39.8 15.9 23.9#

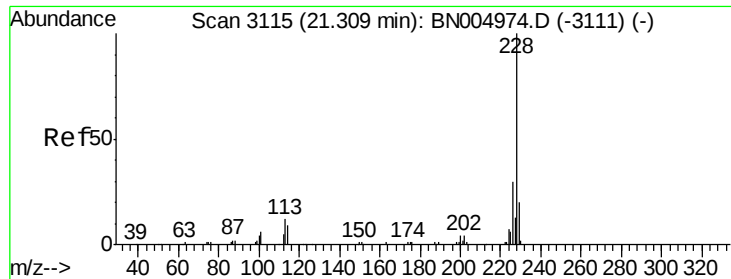


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.600 ng

RT: 21.30 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampleId :

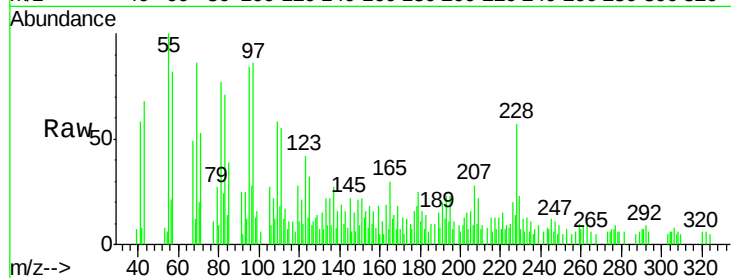
Tot Ion:228 Resp: 4988

Ion Ratio Lower Upper

228 100

226 34.5 24.2 36.2

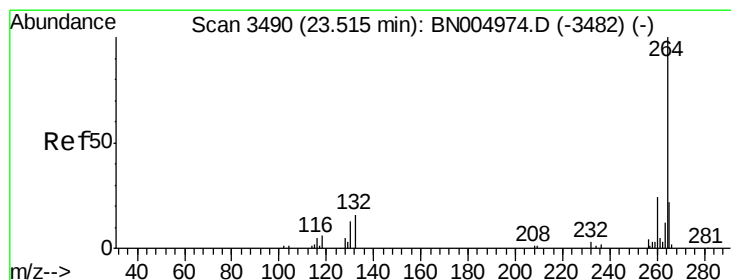
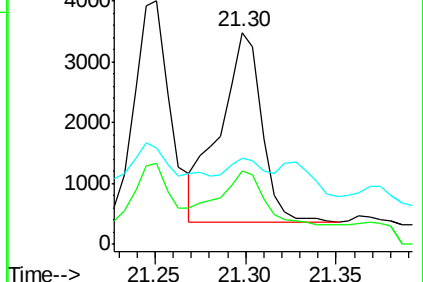
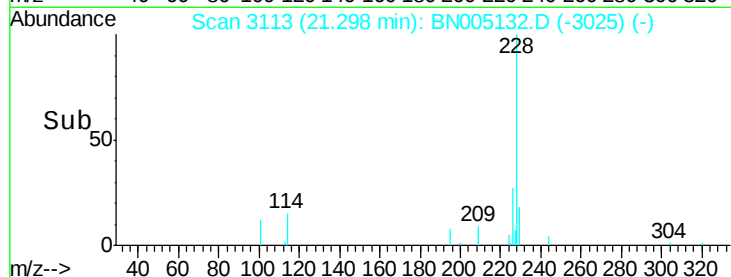
229 40.5 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.49 min Scan# 3485

Delta R.T. -0.03 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

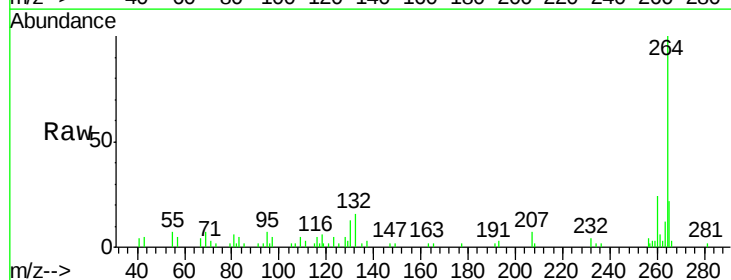
Tgt Ion:264 Resp: 33806

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

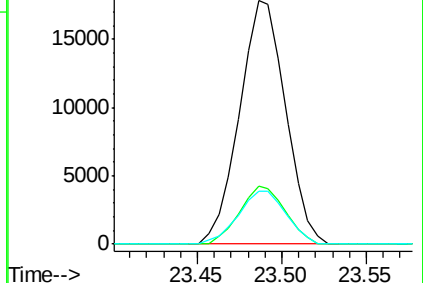
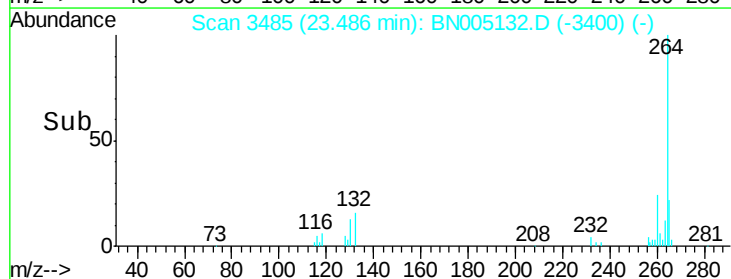
265 21.9 17.2 25.8

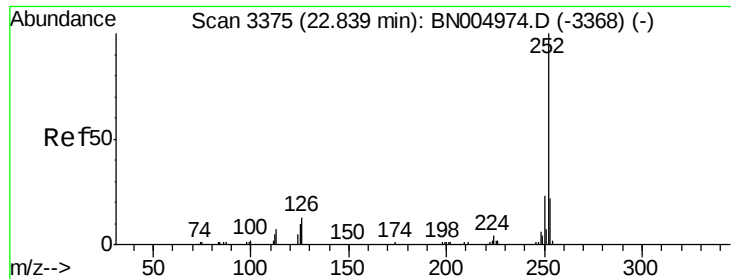


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.346 ng

RT: 22.82 min Scan# 3372

Delta R.T. -0.02 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampleId :

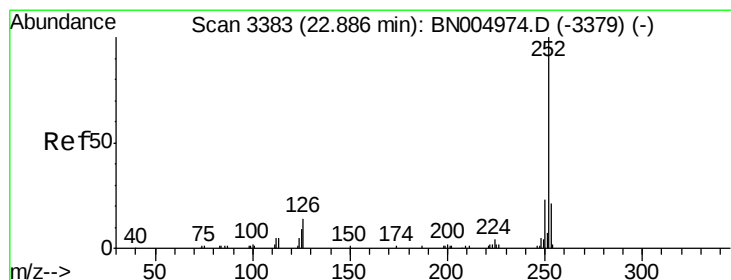
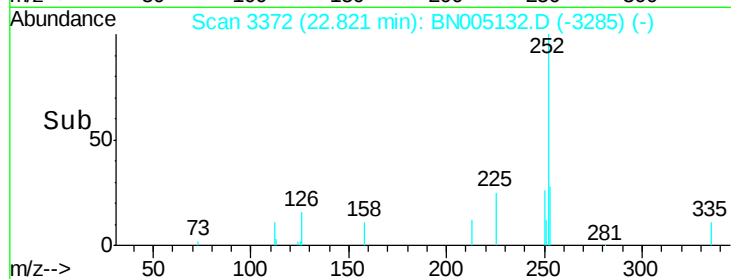
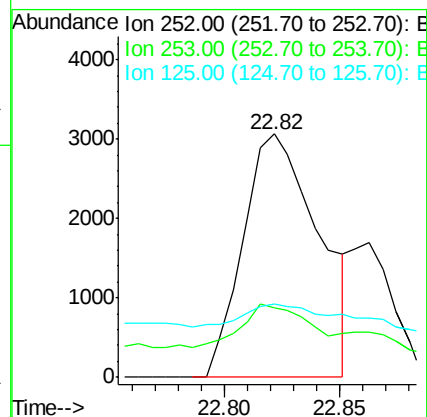
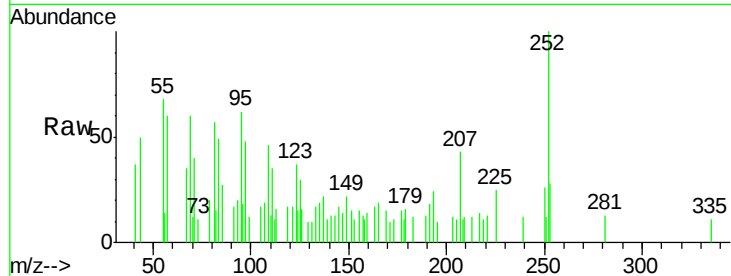
Tot Ion:252 Resp: 6963

Ion Ratio Lower Upper

252 100

253 28.4 17.6 26.4#

125 29.9 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 3.649 ng

RT: 22.82 min Scan# 3372

Delta R.T. -0.06 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

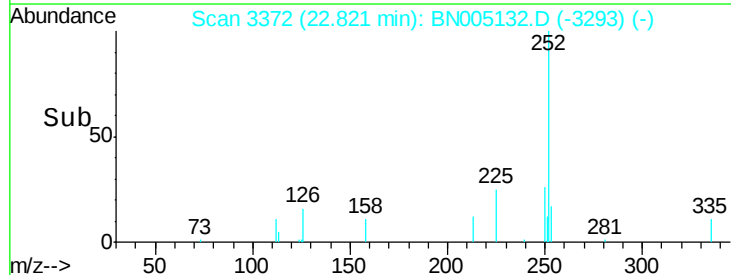
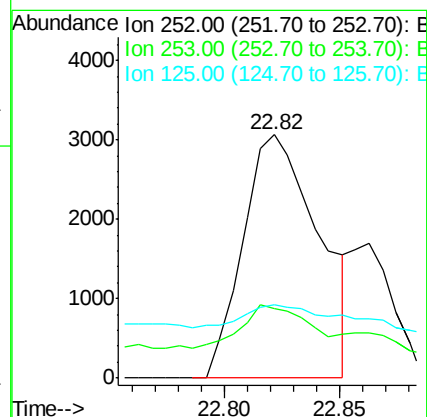
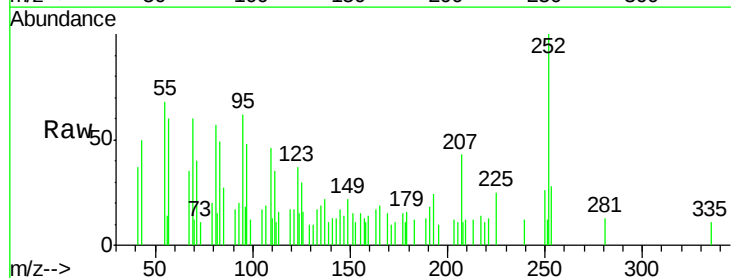
Tgt Ion:252 Resp: 6963

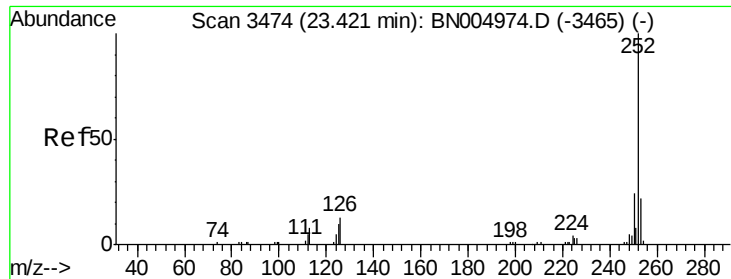
Ion Ratio Lower Upper

252 100

253 28.4 17.1 25.7#

125 29.9 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 2.299 ng

RT: 23.39 min Scan# 3469

Delta R.T. -0.03 min

Lab File: BN005132.D

Acq: 10 Apr 2019 17:42

Instrument :

BNA_N

ClientSampleId :

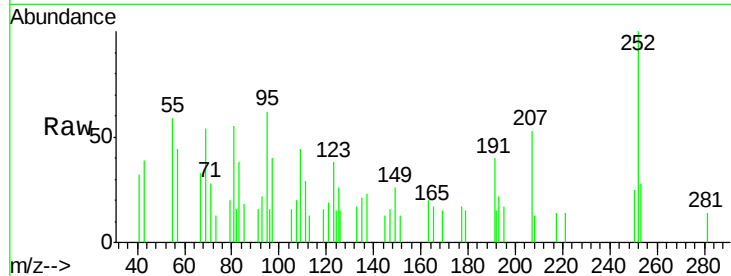
Tot Ion: 252 Resp: 4377

Ion Ratio Lower Upper

252 100

253 27.6 17.7 26.5#

125 26.3 8.2 12.4#



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

