

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006046.D
 Acq On : 03 Jun 2019 20:39
 Operator : JU/SJ
 Sample : K2924-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 04 01:26:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 03 14:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	372184	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	1631975	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	953593	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1991991	20.00	ng/ul	0.00
77) Chrysene-d12	21.35	240	1417639	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	1450744	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	29915	3.74	ng/uL	0.00
5) Phenol-d5	6.89	99	550125	17.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	339012	19.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	440840	18.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	383346	15.58	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	228012	19.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	239464	18.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	401472	16.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	494435	16.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	1374550	20.38	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	1692111	19.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.58	143	167722	13.45	ng/ul	0.00
57) Fluorene-d10	15.38	176	1157878	20.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	126406	13.10	ng/ul	-0.01
70) Anthracene-d10	17.23	188	1602866	19.20	ng/ul	0.00
78) Pyrene-d10	19.54	212	1725263	21.33	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.49	264	1370459	21.26	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.28	88	99	0.012	ng/uL# 1
4) Benzaldehyde	6.87	77	20441	0.977	ng/ul 97
6) Phenol	6.92	94	23636	0.753	ng/ul# 91
8) Bis(2-Chloroethyl)ether	7.25	93	734	0.030	ng/ul# 1
14) Acetophenone	8.54	105	6826	0.187	ng/ul# 85
15) N-Nitroso-di-n-propylamine	8.47	70	127	0.007	ng/ul# 1
16) 4-Methylphenol	8.48	108	660	0.025	ng/ul 92
20) Nitrobenzene	8.92	77	419	0.015	ng/ul# 39
21) Isophorone	9.43	82	439	0.008	ng/ul# 66
28) Naphthalene	10.57	128	4519	0.059	ng/ul# 79
30) 4-Chloroaniline	10.57	127	109	0.004	ng/ul# 42
32) Caprolactam	11.45	113	455	0.053	ng/ul 90
34) 2-Methylnaphthalene	12.18	142	1460	0.027	ng/ul 83
40) 1,1'-Biphenyl	13.21	154	684	0.010	ng/ul# 43
44) Dimethylphthalate	13.84	163	466285	6.983	ng/ul 99
45) 2,6-Dinitrotoluene	13.91	165	238	0.017	ng/ul# 33
47) Acenaphthylene	14.10	152	4279	0.050	ng/ul 99
49) Acenaphthene	14.44	153	5433	0.095	ng/ul 90
53) Dibenzofuran	14.78	168	3850	0.047	ng/ul 93
56) Diethylphthalate	15.20	149	1731	0.026	ng/ul# 77
58) Fluorene	15.44	166	5794	0.092	ng/ul# 96
60) 4-Nitroaniline	15.51	138	412	0.025	ng/ul# 1
63) 4,6-Dinitro-2-methylphenol	15.50	198	388	0.039	ng/ul# 1

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
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 Misc :
 ALS Vial : 13 Sample Multiplier: 1

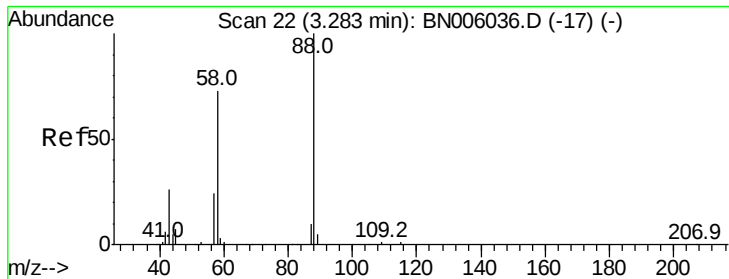
Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 04 01:26:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

64) N-Nitrosodiphenylamine	15.64	169	250	0.004	ng/ul#	24
69) Phenanthrene	17.18	178	90711	0.938	ng/ul	99
71) Anthracene	17.27	178	19772	0.201	ng/ul	93
74) Carbazole	17.54	167	10289	0.122	ng/ul	95
75) Di-n-butylphthalate	18.11	149	9462	0.087	ng/ul	97
76) Fluoranthene	19.20	202	165590	1.760	ng/ul	98
79) Pyrene	19.57	202	148709	1.455	ng/ul	98
80) Butylbenzylphthalate	20.48	149	2240	0.048	ng/ul#	41
81) 3,3'-Dichlorobenzidine	21.28	252	840	0.031	ng/ul#	81
82) Benzo(a)anthracene	21.34	228	71429	0.815	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.27	149	17886	0.281	ng/ul	98
84) Chrysene	21.39	228	74063	0.894	ng/ul	97
86) Di-n-octyl phthalate	22.17	149	2425	0.024	ng/ul	100
87) Benzo(b)fluoranthene	22.96	252	89858	1.123	ng/ul#	85
88) Benzo(k)fluoranthene	22.96	252	89858	1.159	ng/ul#	85
90) Benzo(a)pyrene	23.54	252	59133	0.777	ng/ul#	92
91) Indeno(1,2,3-cd)pyrene	25.94	276	38303	0.437	ng/ul	93
92) Dibenzo(a,h)anthracene	25.94	278	11195	0.152	ng/ul#	61
93) Benzo(g,h,i)perylene	26.64	276	36903	0.512	ng/ul	98

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



#2

1,4-Dioxane

Concen: 0.012 ng/uL

RT: 3.28 min Scan# 22

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

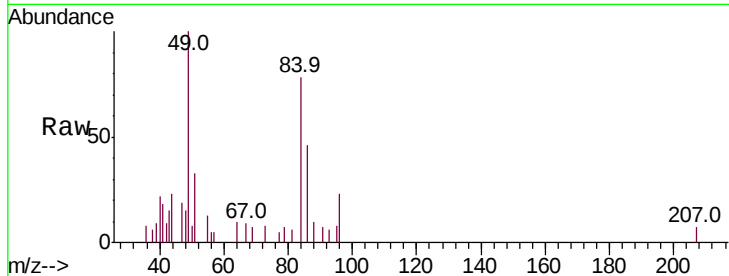
Tot Ion: 88 Resp: 99

Ion Ratio Lower Upper

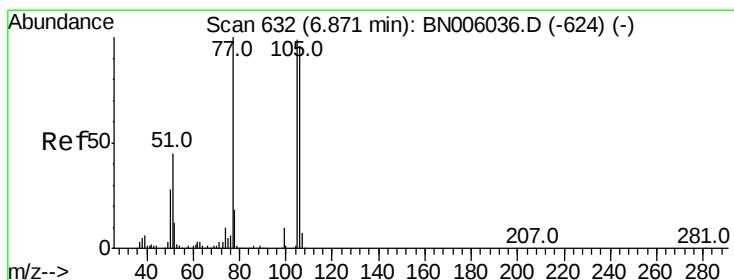
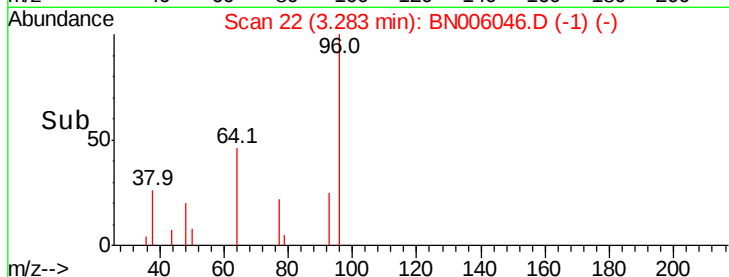
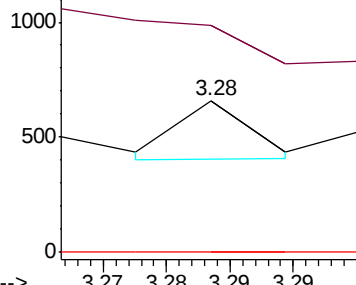
88 100

43 149.7 23.3 34.9#

58 0.0 59.0 88.4#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 43.00 (42.70 to 43.70): BNC
Ion 58.00 (57.70 to 58.70): BNC



#4

Benzaldehyde

Concen: 0.977 ng/uL

RT: 6.87 min Scan# 632

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

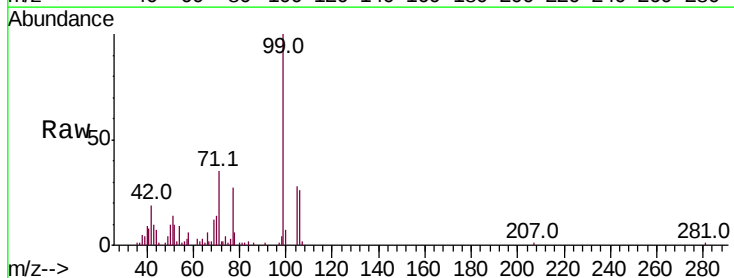
Tgt Ion: 77 Resp: 20441

Ion Ratio Lower Upper

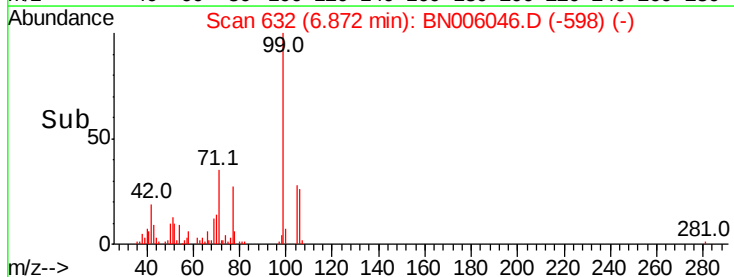
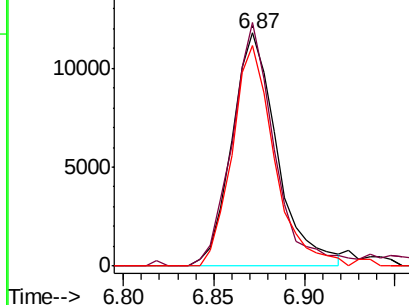
77 100

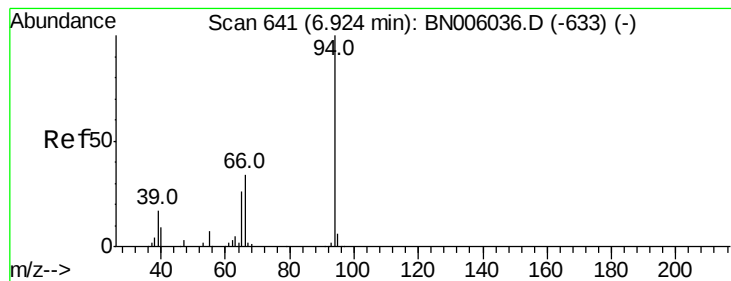
105 104.4 79.4 119.2

106 94.8 76.7 115.1



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 105.00 (104.70 to 105.70): BNC
Ion 106.00 (105.70 to 106.70): BNC





#6

Phenol

Concen: 0.753 ng/ul

RT: 6.92 min Scan# 640

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

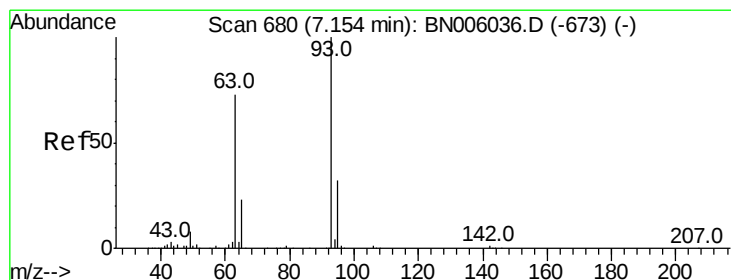
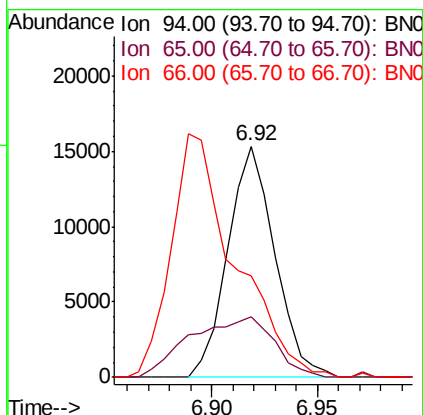
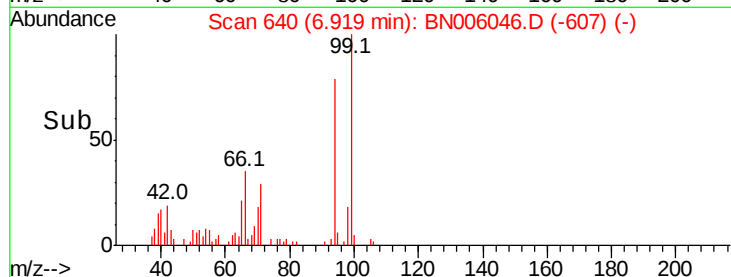
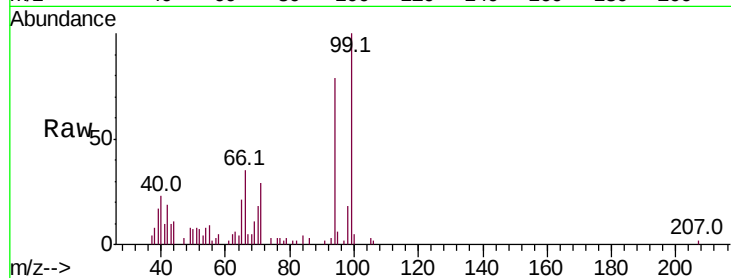
Tot Ion: 94 Resp: 23636

Ion Ratio Lower Upper

94 100

65 26.5 21.1 31.7

66 44.3 28.2 42.2#



#8

Bis(2-Chloroethyl)ether

Concen: 0.030 ng/ul

RT: 7.25 min Scan# 697

Delta R.T. 0.10 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

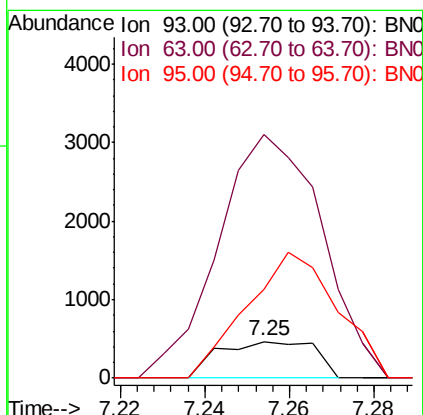
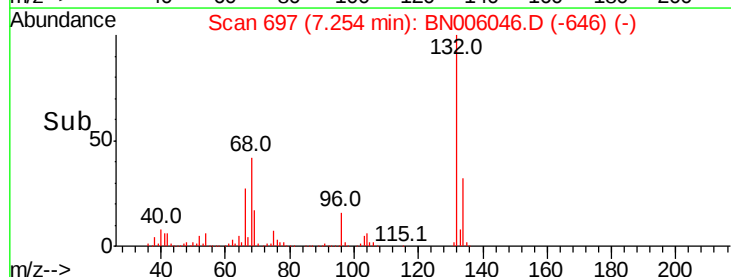
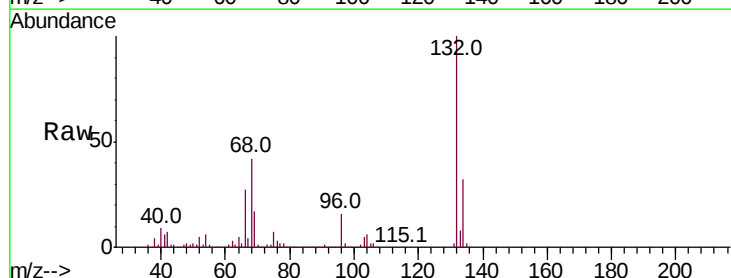
Tgt Ion: 93 Resp: 734

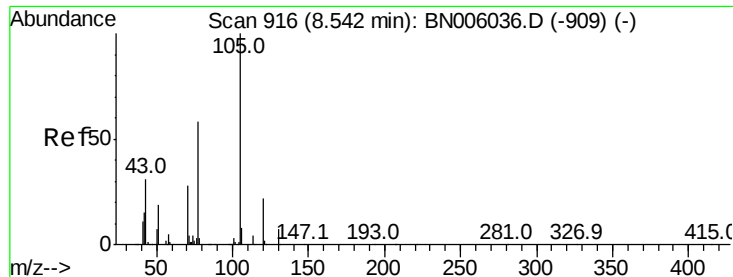
Ion Ratio Lower Upper

93 100

63 664.2 58.5 87.7#

95 241.1 25.7 38.5#





#14

Acetophenone

Concen: 0.187 ng/ul

RT: 8.54 min Scan# 916

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

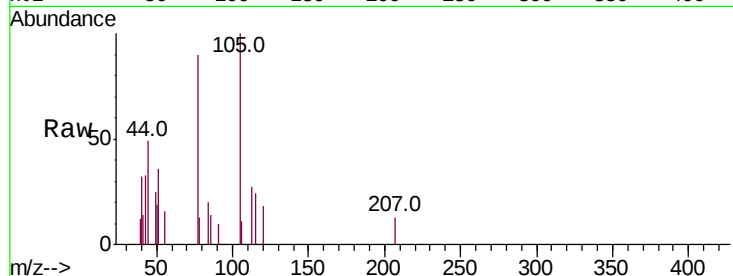
Tot Ion:105 Resp: 6826

Ion Ratio Lower Upper

105 100

77 90.0 62.6 93.8

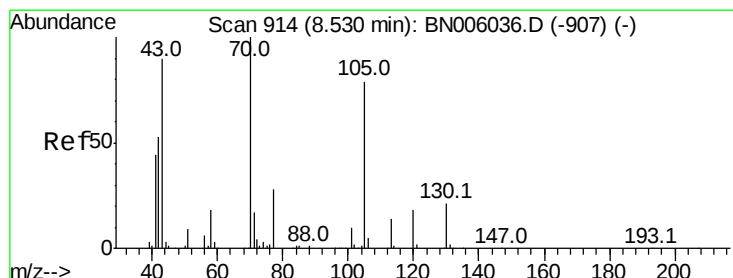
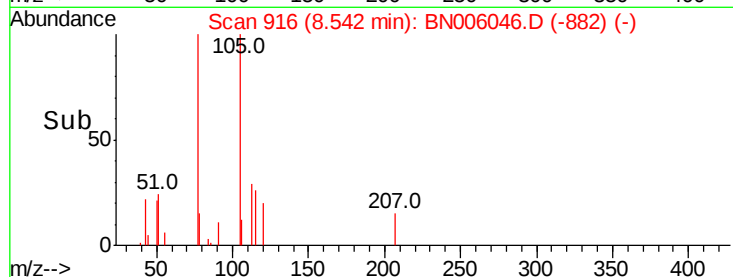
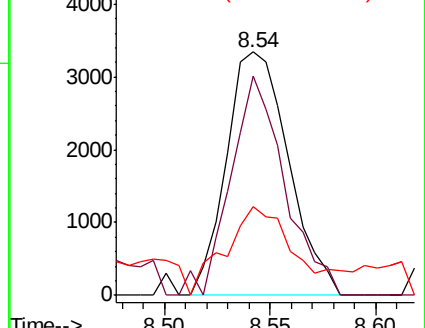
51 36.3 21.2 31.8#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#15

N-Nitroso-di-n-propylamine

Concen: 0.007 ng/ul

RT: 8.47 min Scan# 903

Delta R.T. -0.06 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Tgt Ion: 70 Resp: 127

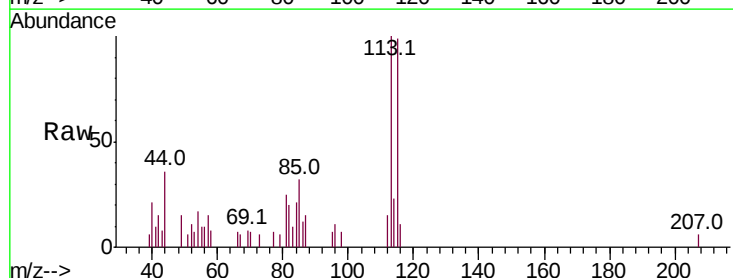
Ion Ratio Lower Upper

70 100

42 210.0 43.3 64.9#

101 0.0 7.8 11.8#

130 0.0 16.9 25.3#

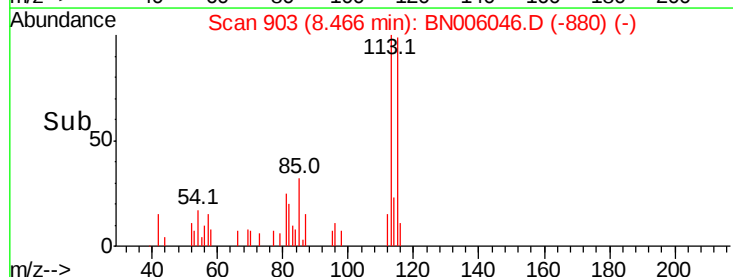
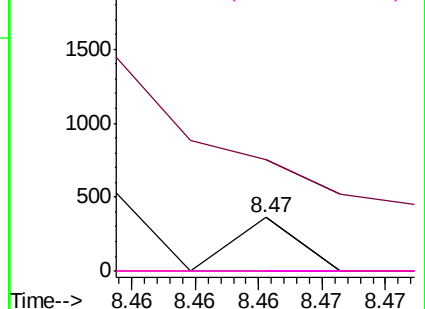


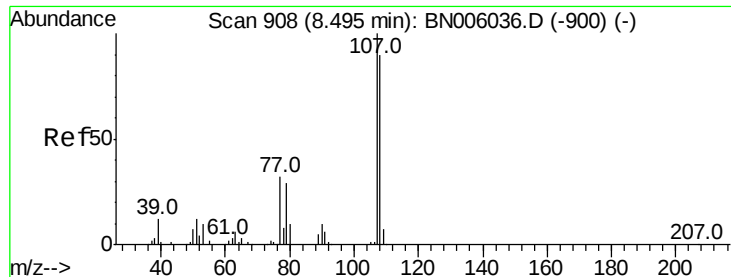
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#16

4-Methylphenol

Concen: 0.025 ng/ul

RT: 8.48 min Scan# 906

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

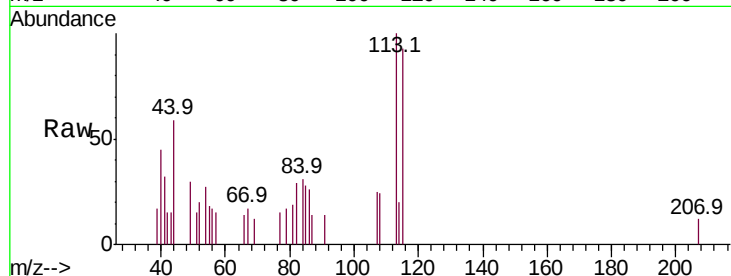
ClientSampleId :

Tot Ion:108 Resp: 660

Ion Ratio Lower Upper

108 100

107 103.1 89.2 133.8



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.48

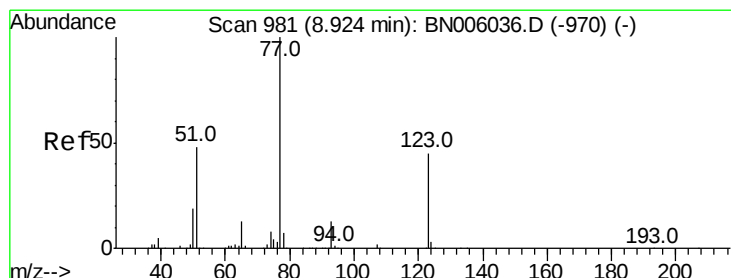
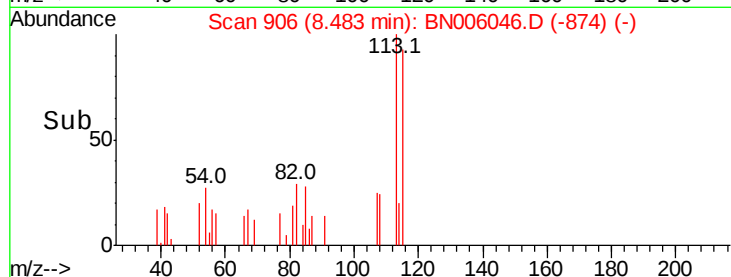
600

400

200

0

Time-->



#20

Nitrobenzene

Concen: 0.015 ng/ul

RT: 8.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

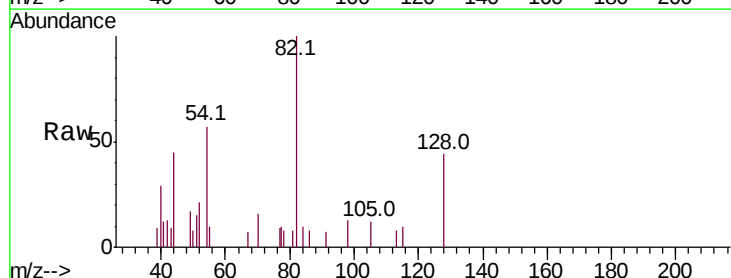
Tgt Ion: 77 Resp: 419

Ion Ratio Lower Upper

77 100

123 0.0 35.8 53.8#

65 0.0 10.7 16.1#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BNC

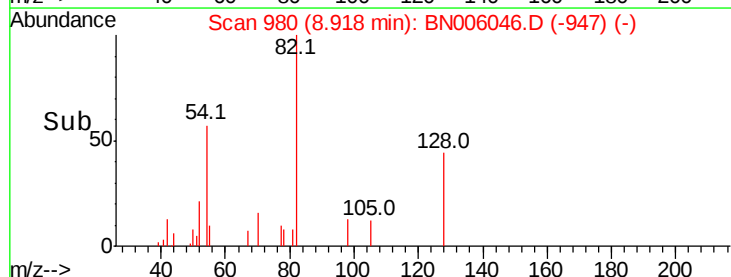
1500

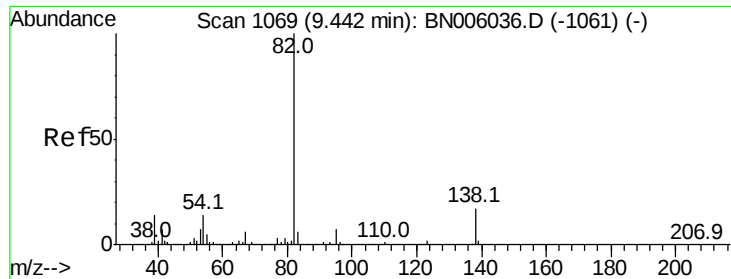
1000

500

0

Time-->





#21

Isophorone

Concen: 0.008 ng/ul

RT: 9.43 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampled :

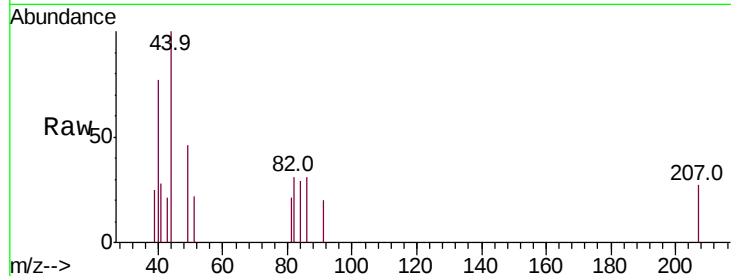
Tot Ion: 82 Resp: 439

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.8 20.6#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 138.00 (137.70 to 138.70): BNC

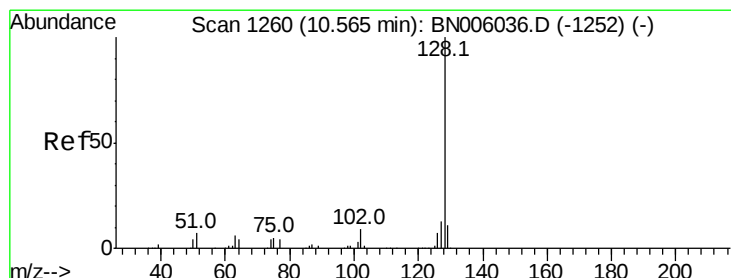
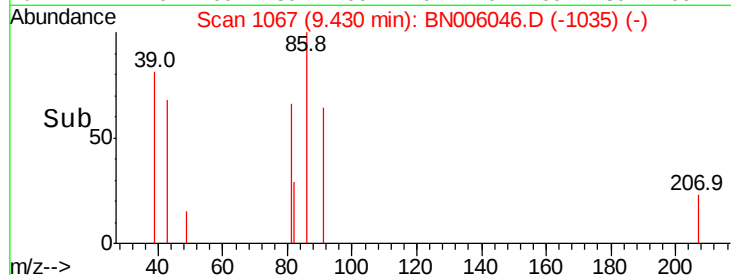
9.43

400

200

0

Time-->



#28

Naphthalene

Concen: 0.059 ng/ul

RT: 10.57 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

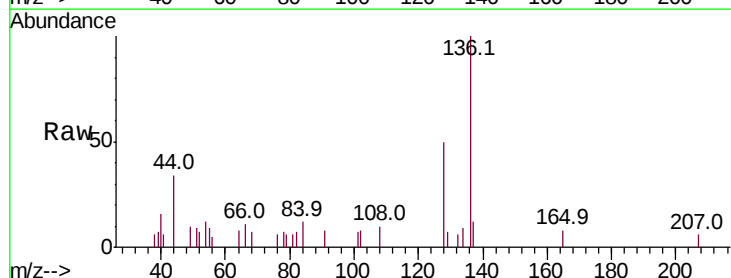
Tgt Ion: 128 Resp: 4519

Ion Ratio Lower Upper

128 100

129 13.4 8.8 13.2#

127 0.0 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.57

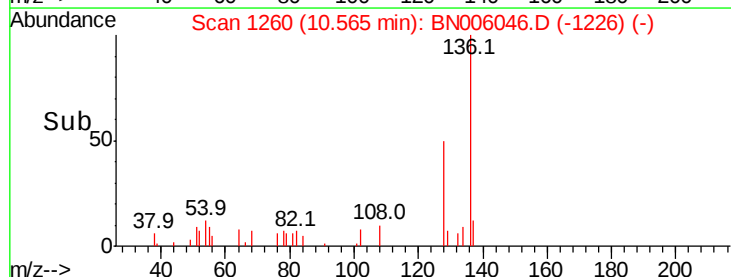
3000

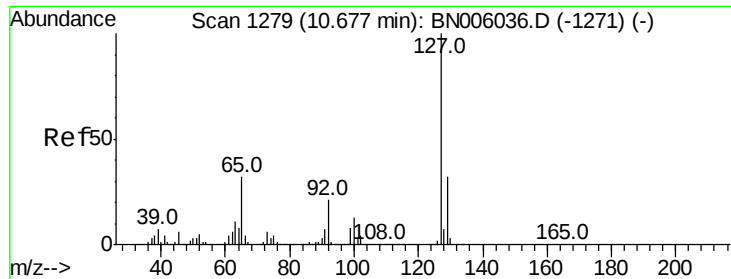
2000

1000

0

Time-->

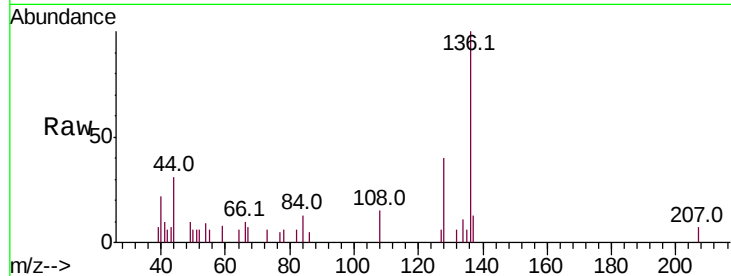




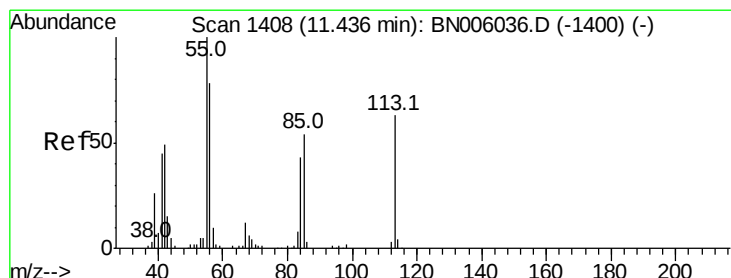
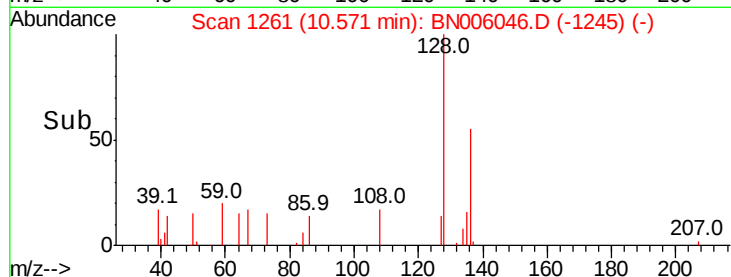
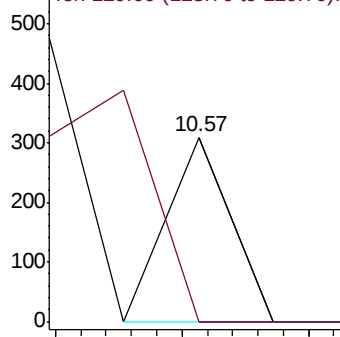
#30
4-Chloroaniline
Concen: 0.004 ng/ul
RT: 10.57 min Scan# 1261
Delta R.T. -0.11 min
Lab File: BN006046.D
Acq: 03 Jun 2019 20:39

Instrument :
BNA_N
ClientSampled :

Tot Ion:127 Resp: 109
Ion Ratio Lower Upper
127 100
129 0.0 25.8 38.8#

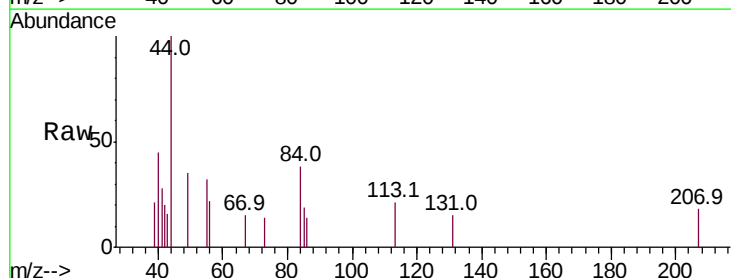


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

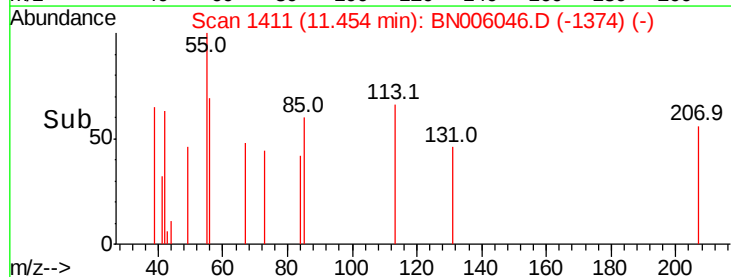
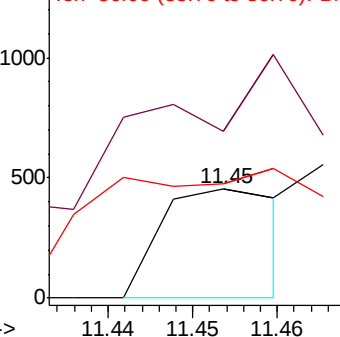


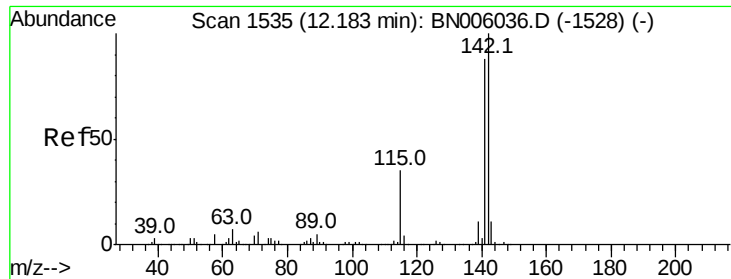
#32
Caprolactam
Concen: 0.053 ng/ul
RT: 11.45 min Scan# 1411
Delta R.T. 0.02 min
Lab File: BN006046.D
Acq: 03 Jun 2019 20:39

Tgt Ion:113 Resp: 455
Ion Ratio Lower Upper
113 100
55 152.3 127.4 191.0
56 105.1 98.9 148.3



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BNC
Ion 56.00 (55.70 to 56.70): BNC





#34

2-Methylnaphthalene

Concen: 0.027 ng/ul

RT: 12.18 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

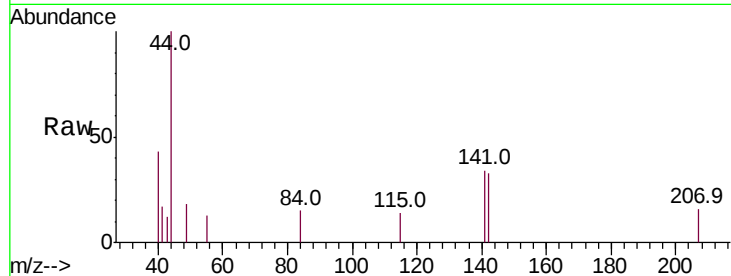
ClientSampled :

Tot Ion:142 Resp: 1460

Ion Ratio Lower Upper

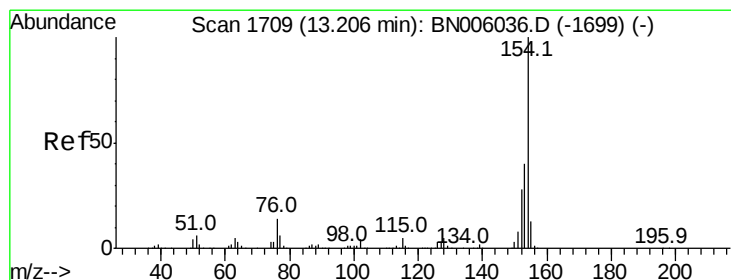
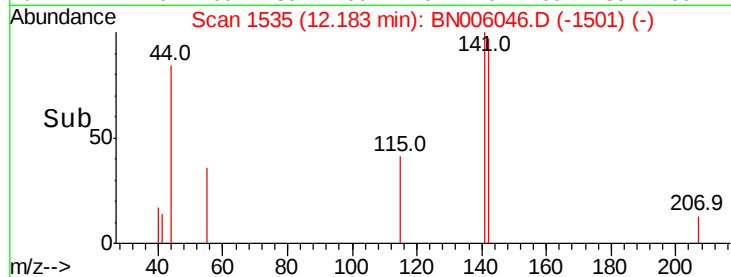
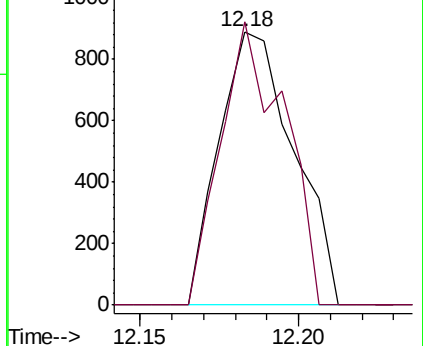
142 100

141 103.5 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#40

1,1'-Biphenyl

Concen: 0.010 ng/ul

RT: 13.21 min Scan# 1709

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

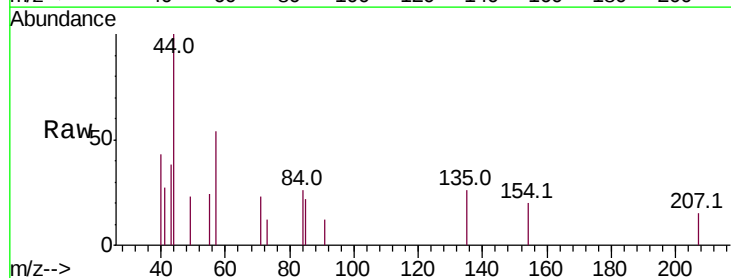
Tgt Ion:154 Resp: 684

Ion Ratio Lower Upper

154 100

153 0.0 32.3 48.5#

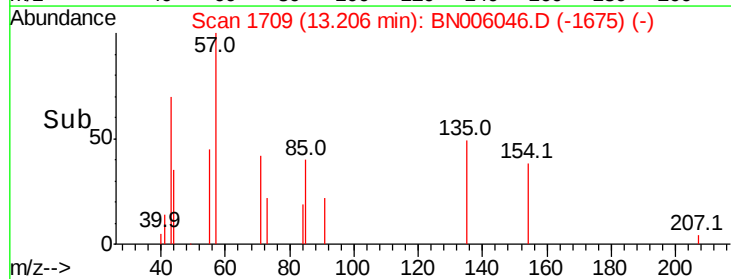
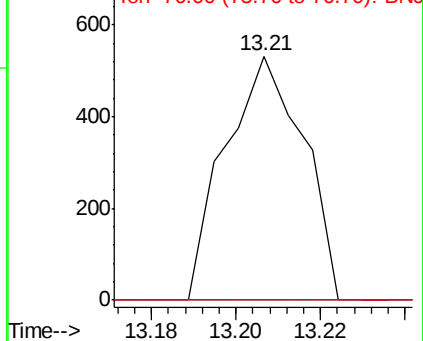
76 0.0 11.0 16.6#

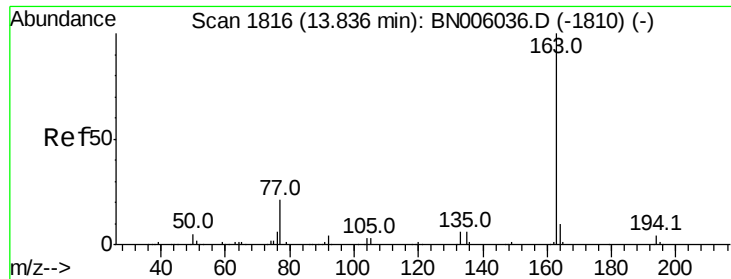


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC





#44

Dimethylphthalate

Concen: 6.983 ng/ul

RT: 13.84 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampled :

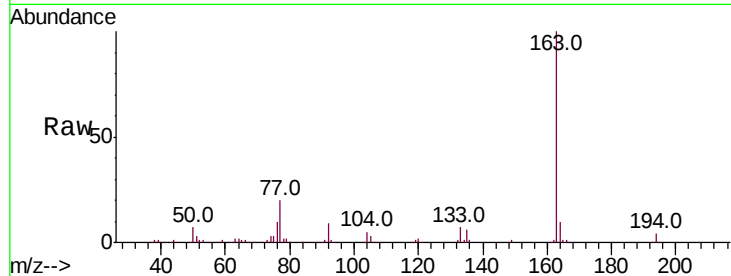
Tot Ion:163 Resp: 466285

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

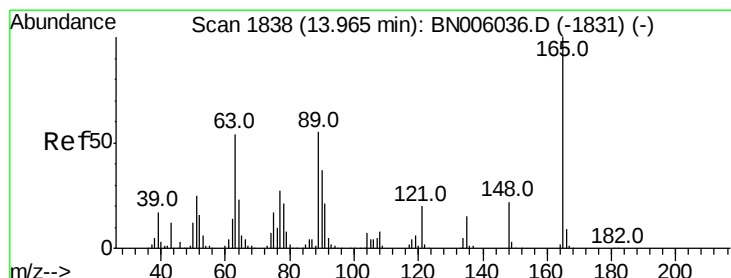
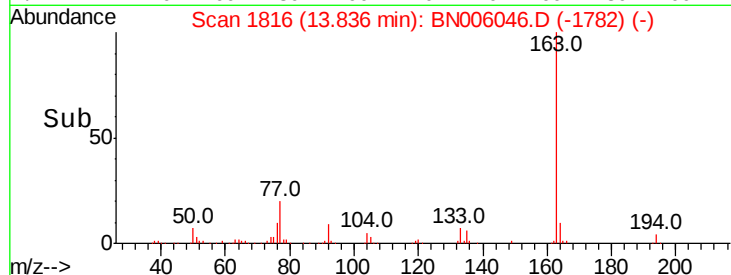
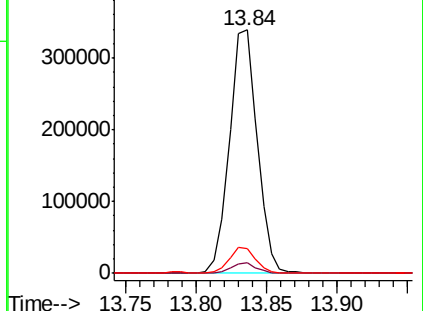
164 10.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#45

2,6-Dinitrotoluene

Concen: 0.017 ng/ul

RT: 13.91 min Scan# 1829

Delta R.T. -0.05 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

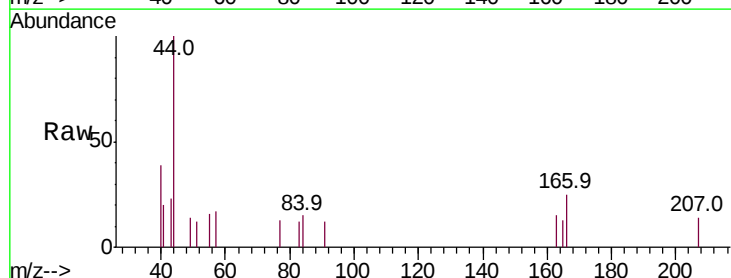
Tgt Ion:165 Resp: 238

Ion Ratio Lower Upper

165 100

89 0.0 44.2 66.2#

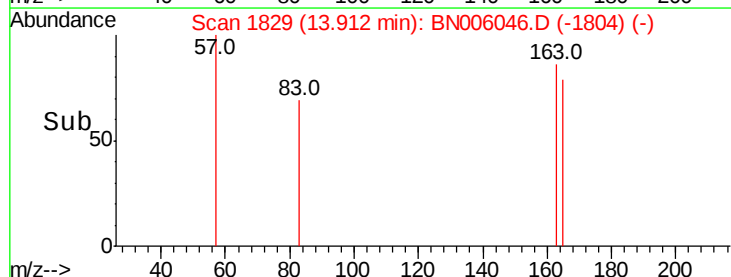
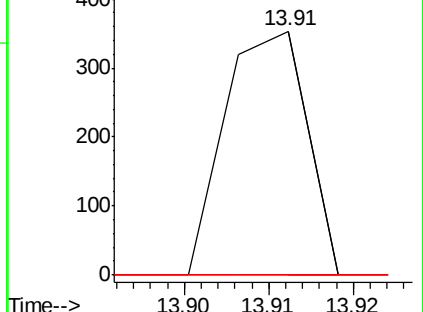
121 0.0 15.6 23.4#

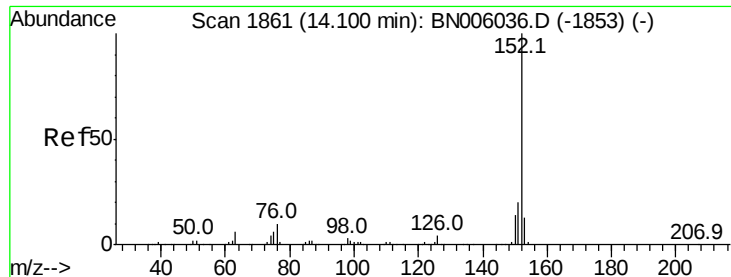


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNC

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 0.050 ng/ul

RT: 14.10 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

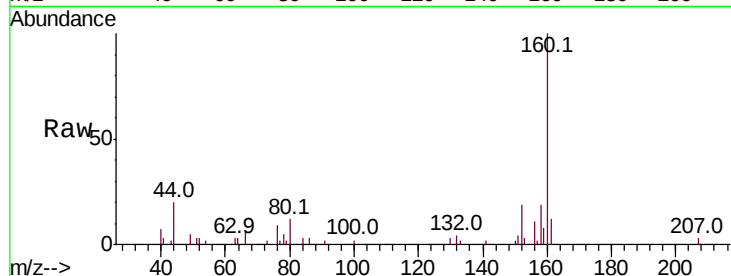
Tot Ion:152 Resp: 4279

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.2

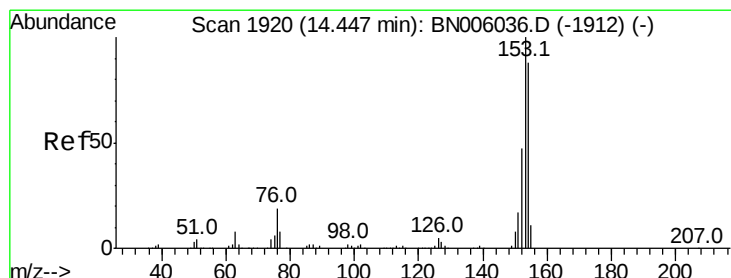
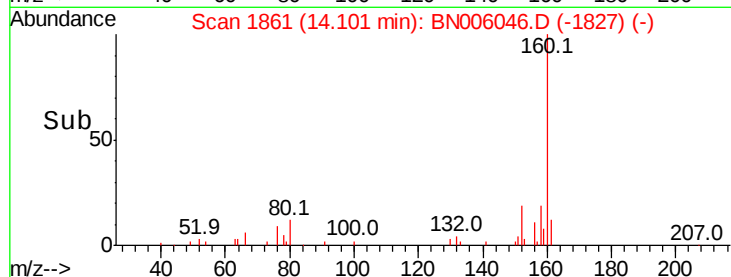
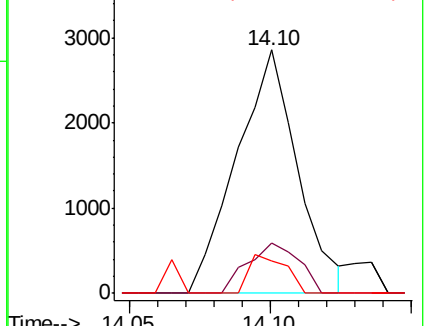
153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 0.095 ng/ul

RT: 14.44 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

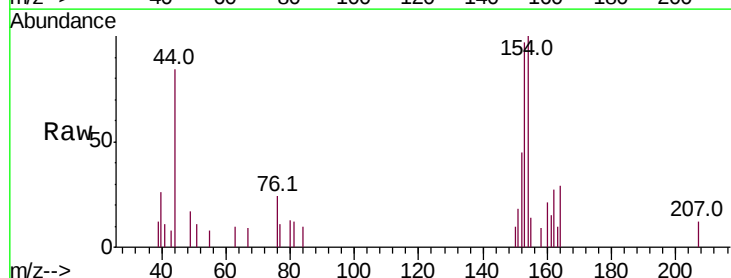
Tgt Ion:153 Resp: 5433

Ion Ratio Lower Upper

153 100

152 46.6 37.4 56.2

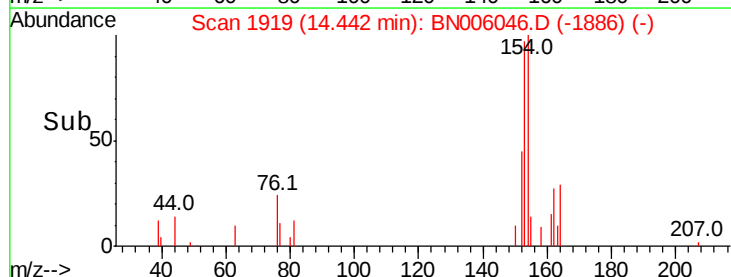
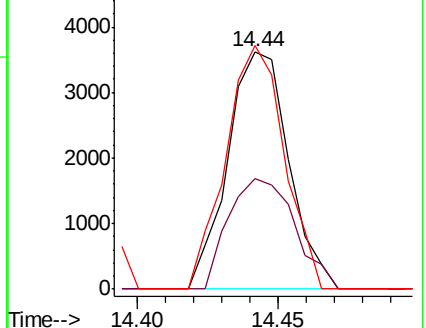
154 102.6 70.7 106.1

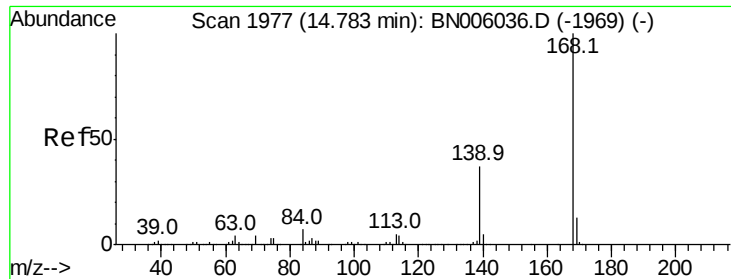


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 0.047 ng/ul

RT: 14.78 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

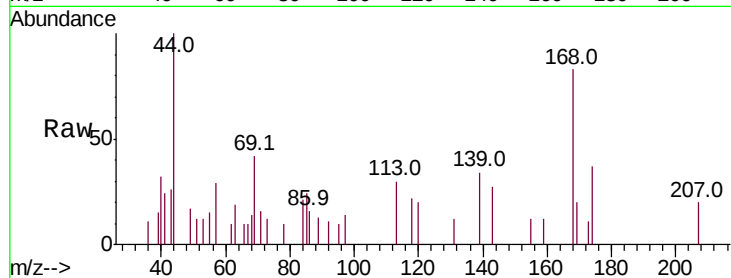
ClientSampleId :

Tot Ion:168 Resp: 3850

Ion Ratio Lower Upper

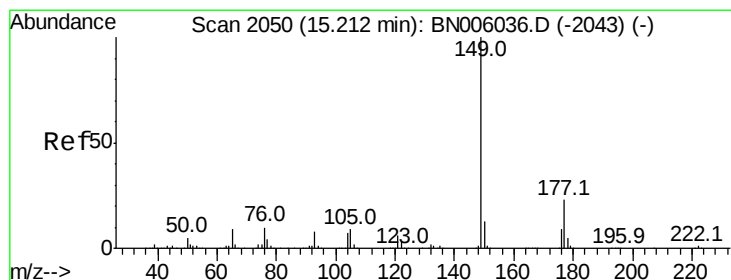
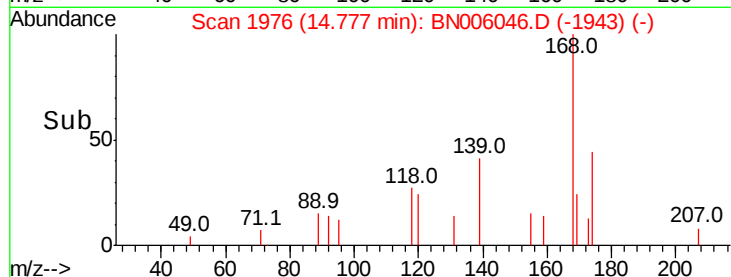
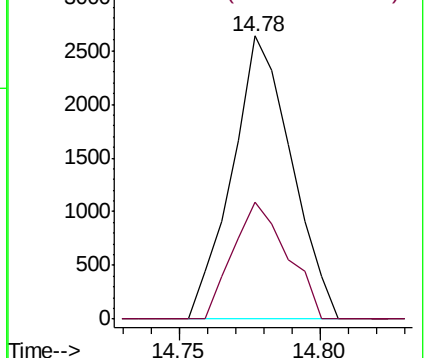
168 100

139 41.2 29.8 44.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

Diethylphthalate

Concen: 0.026 ng/ul

RT: 15.20 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

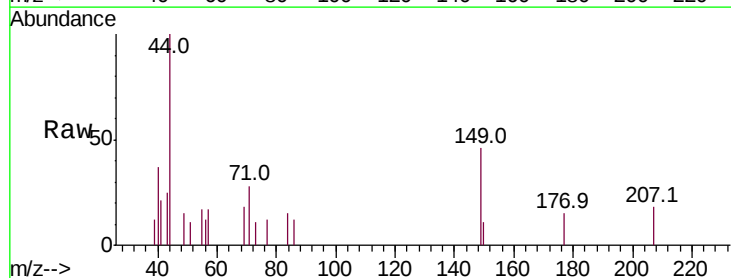
Tgt Ion:149 Resp: 1731

Ion Ratio Lower Upper

149 100

177 31.9 18.4 27.6#

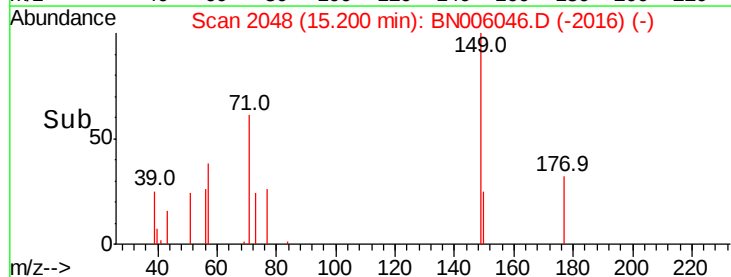
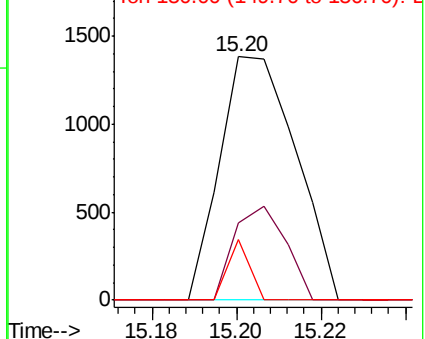
150 24.9 10.1 15.1#

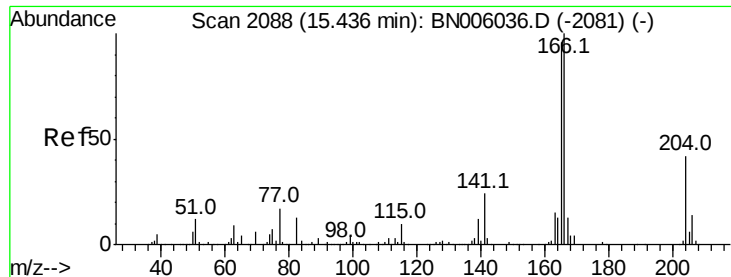


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 0.092 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampled :

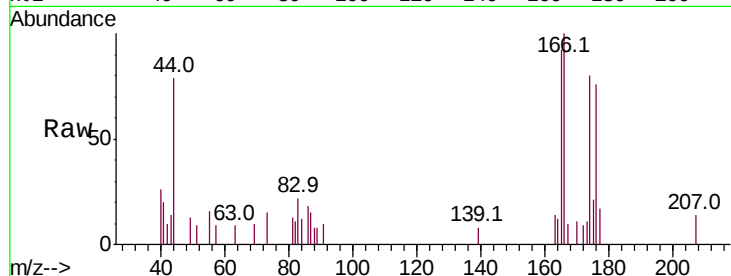
Tot Ion:166 Resp: 5794

Ion Ratio Lower Upper

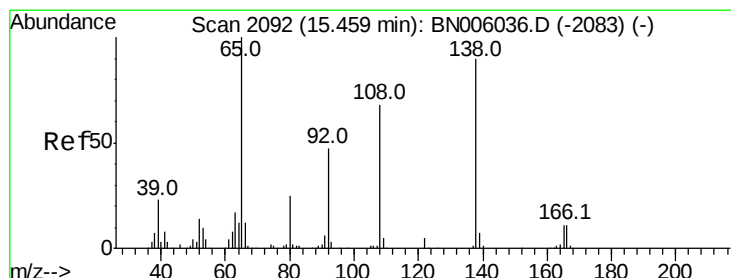
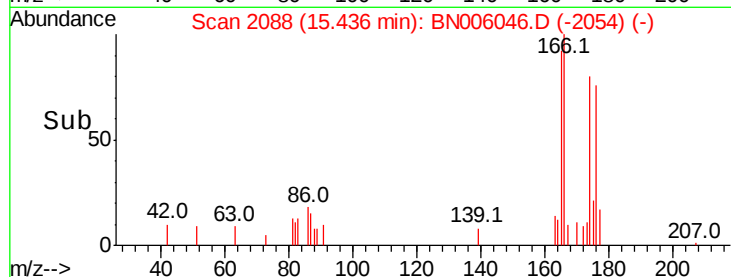
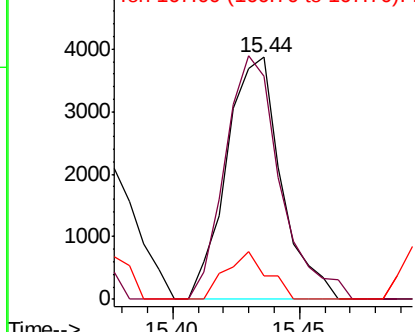
166 100

165 92.4 76.6 115.0

167 9.6 10.8 16.2#



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



#60

4-Nitroaniline

Concen: 0.025 ng/ul

RT: 15.51 min Scan# 2100

Delta R.T. 0.05 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

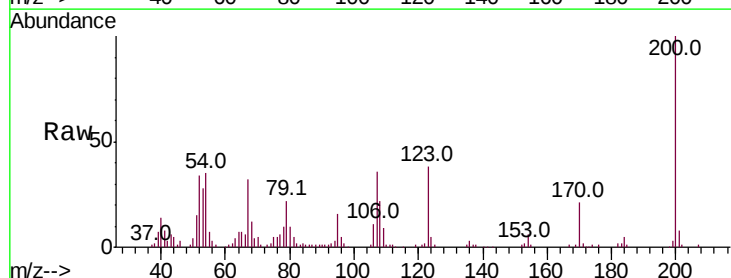
Tgt Ion:138 Resp: 412

Ion Ratio Lower Upper

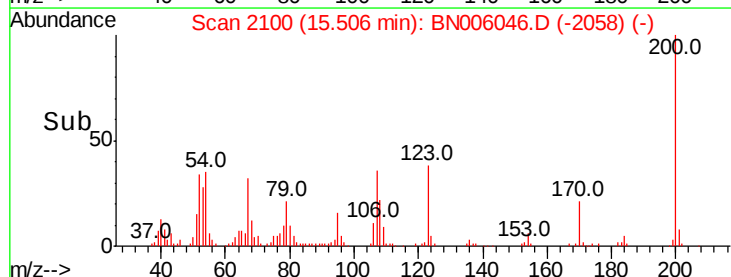
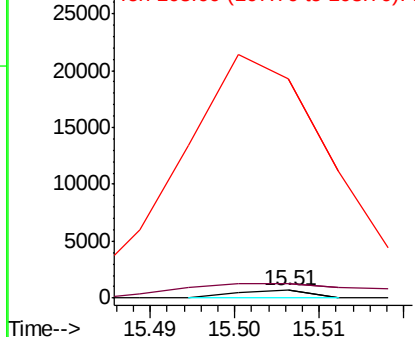
138 100

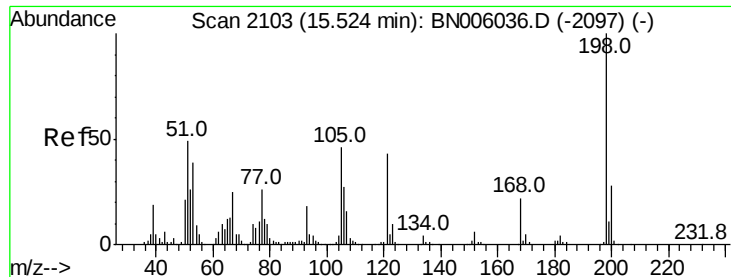
92 194.9 41.7 62.5#

108 2910.8 61.0 91.6#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNC
Ion 108.00 (107.70 to 108.70): E

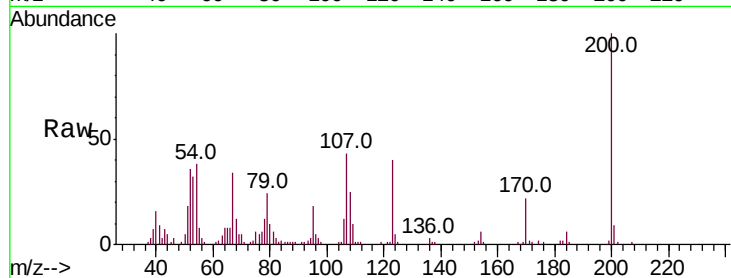




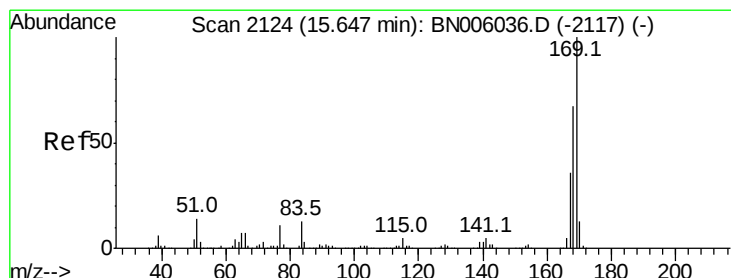
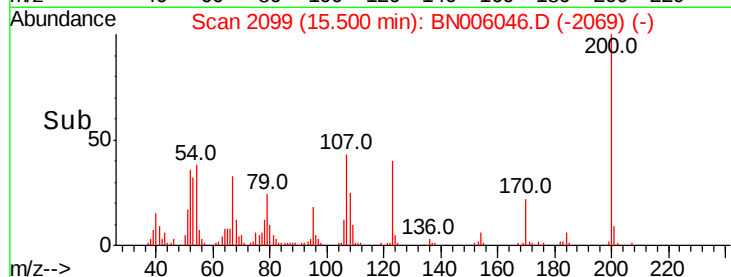
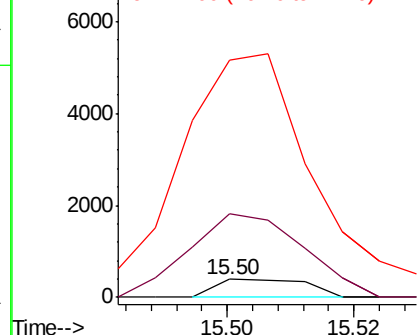
#63
 4,6-Dinitro-2-methylphenol
 Concen: 0.039 ng/ul
 RT: 15.50 min Scan# 2099
 Delta R.T. -0.02 min
 Lab File: BN006046.D
 Acq: 03 Jun 2019 20:39

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:198 Resp: 388
 Ion Ratio Lower Upper
 198 100
 182 465.0 3.1 4.7#
 77 1326.7 21.5 32.3#

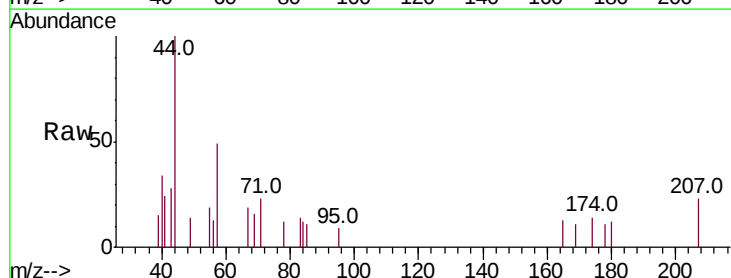


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

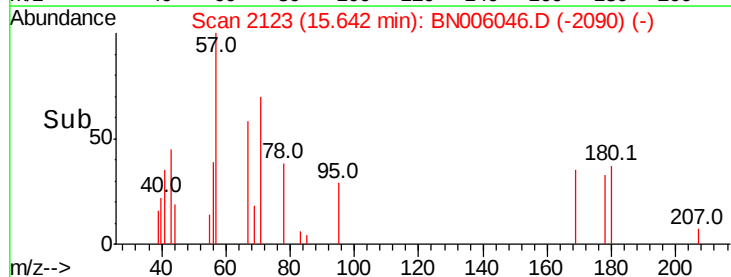
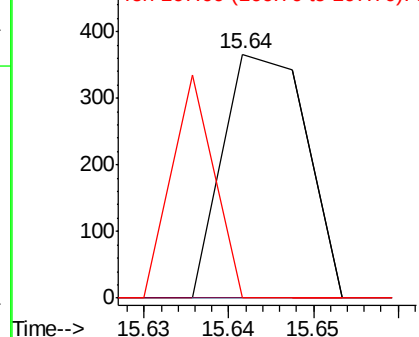


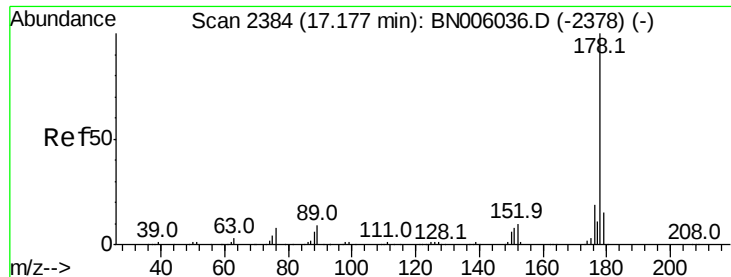
#64
 N-Nitrosodiphenylamine
 Concen: 0.004 ng/ul
 RT: 15.64 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BN006046.D
 Acq: 03 Jun 2019 20:39

Tgt Ion:169 Resp: 250
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.4 80.2#
 167 0.0 28.6 42.8#



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





#69

Phenanthrene

Concen: 0.938 ng/ul

RT: 17.18 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

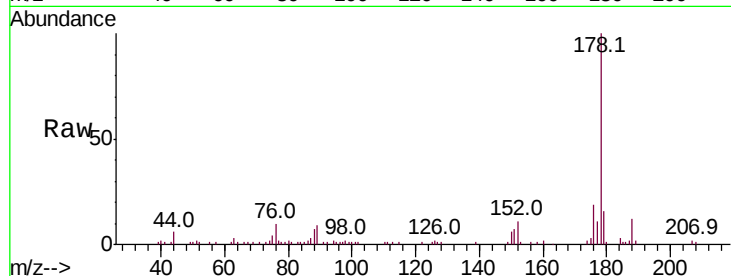
Tot Ion:178 Resp: 90711

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

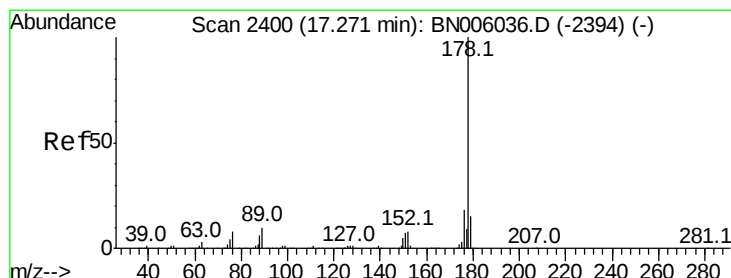
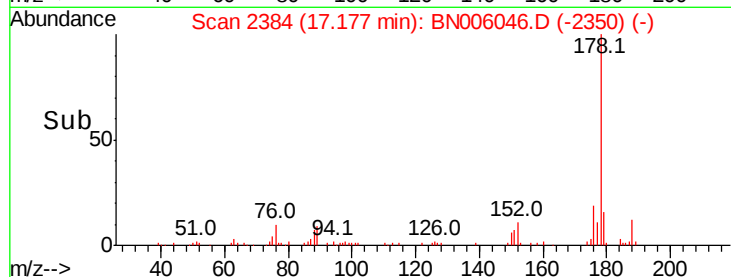
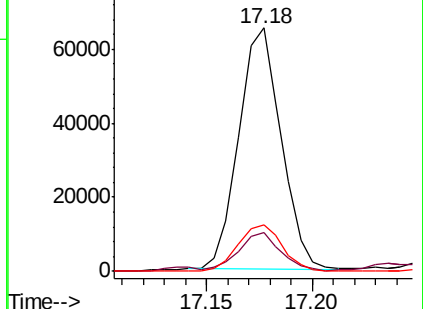
176 19.3 15.0 22.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 0.201 ng/ul

RT: 17.27 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

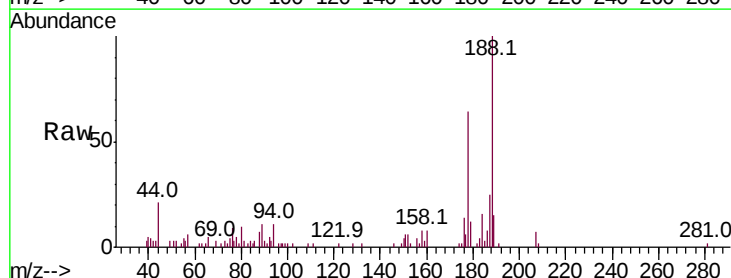
Tgt Ion:178 Resp: 19772

Ion Ratio Lower Upper

178 100

179 18.0 12.4 18.6

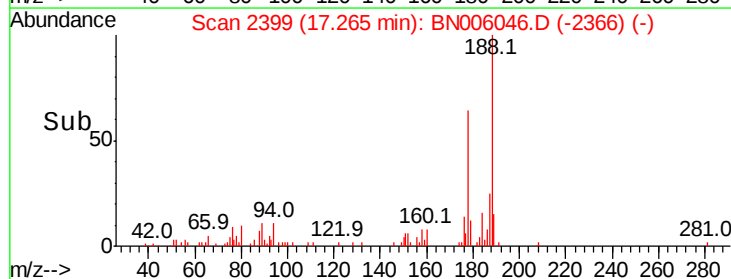
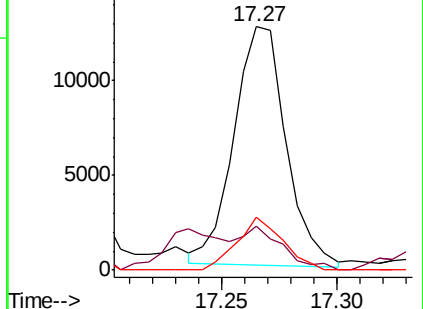
176 21.9 14.8 22.2

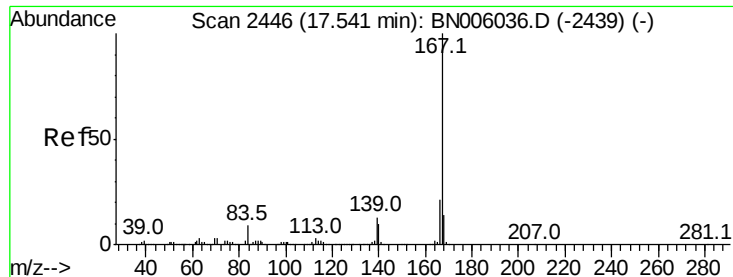


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 0.122 ng/ul

RT: 17.54 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

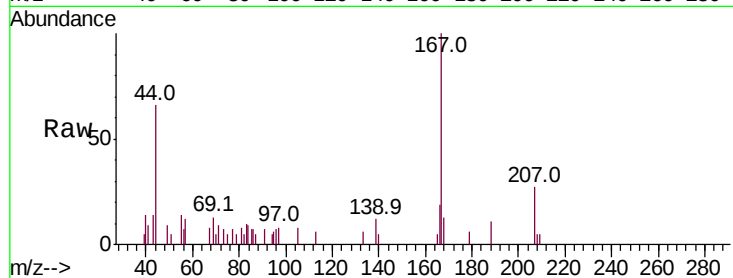
Tot Ion:167 Resp: 10289

Ion Ratio Lower Upper

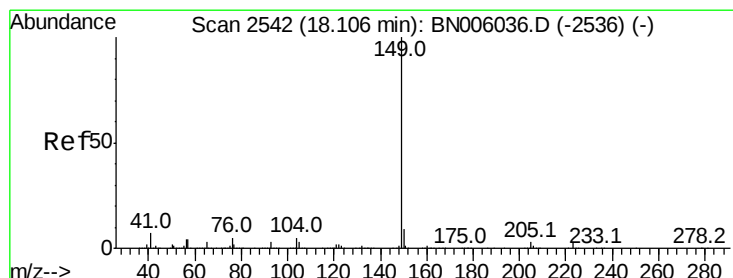
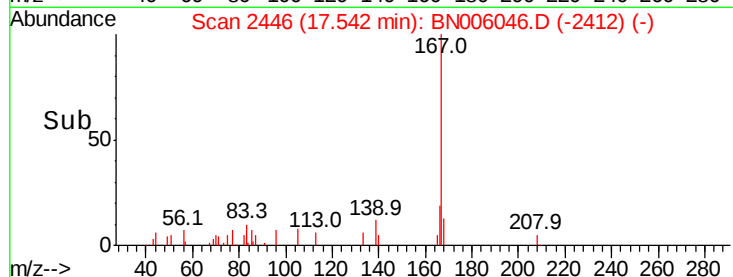
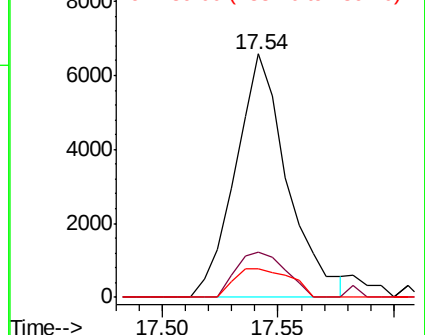
167 100

166 18.7 17.0 25.6

139 11.8 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Di-n-butylphthalate

Concen: 0.087 ng/ul

RT: 18.11 min Scan# 2542

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

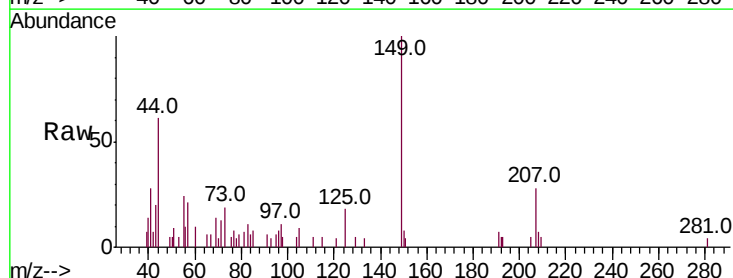
Tgt Ion:149 Resp: 9462

Ion Ratio Lower Upper

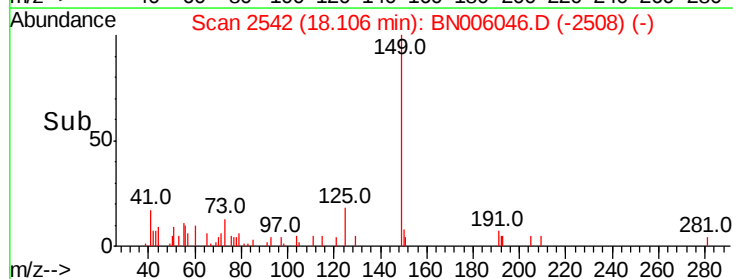
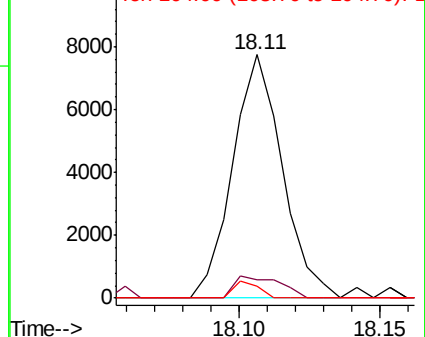
149 100

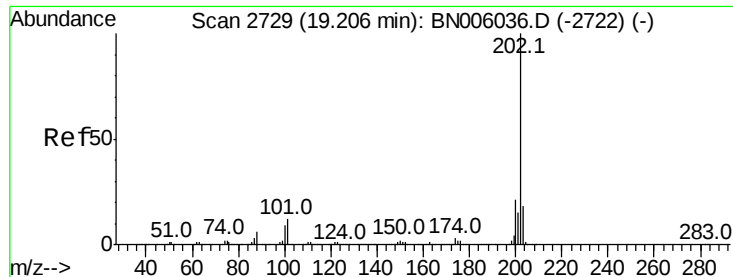
150 7.7 7.4 11.2

104 5.1 4.2 6.2



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





#76

Fluoranthene

Concen: 1.760 ng/ul

RT: 19.20 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

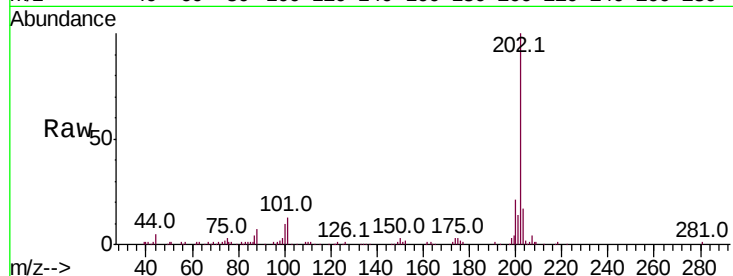
Tot Ion:202 Resp: 165590

Ion Ratio Lower Upper

202 100

101 12.8 9.6 14.4

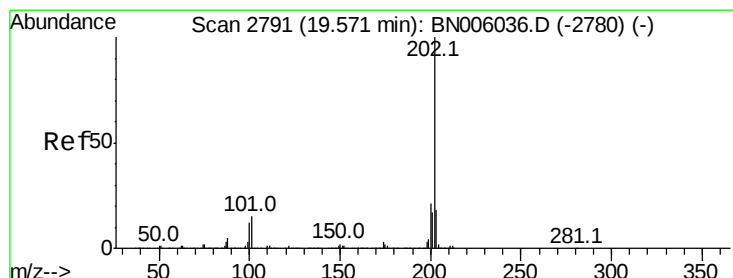
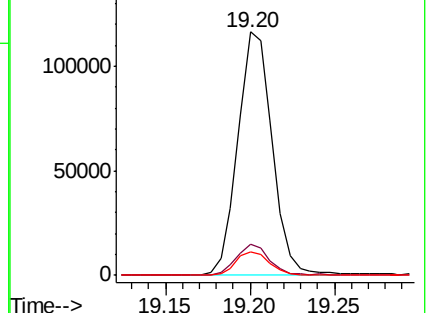
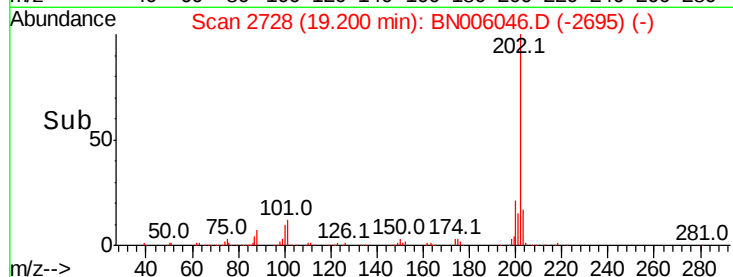
100 9.8 7.1 10.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 1.455 ng/ul

RT: 19.57 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

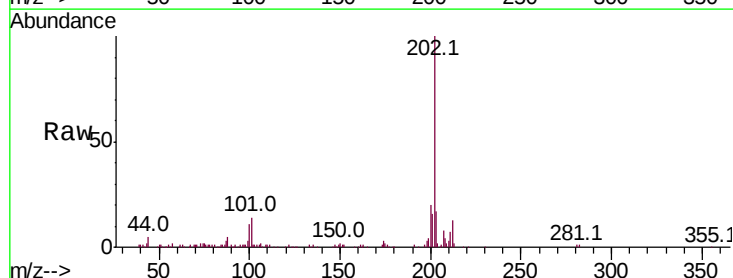
Tgt Ion:202 Resp: 148709

Ion Ratio Lower Upper

202 100

101 13.6 11.6 17.4

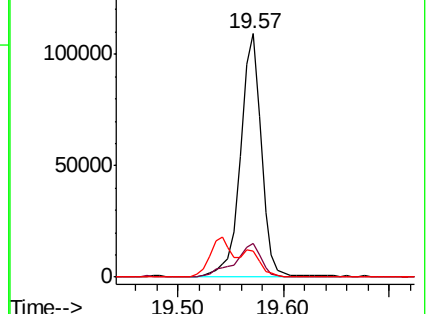
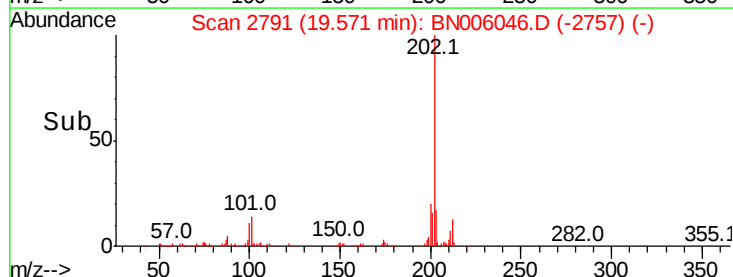
100 10.9 9.4 14.2

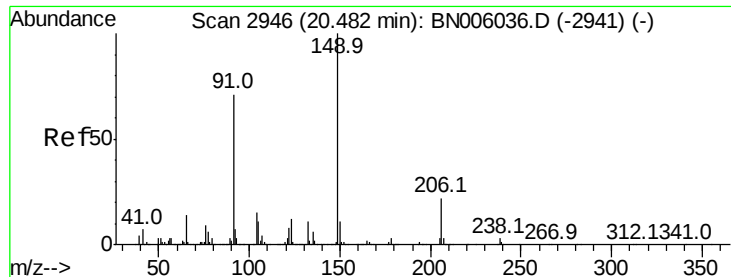


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

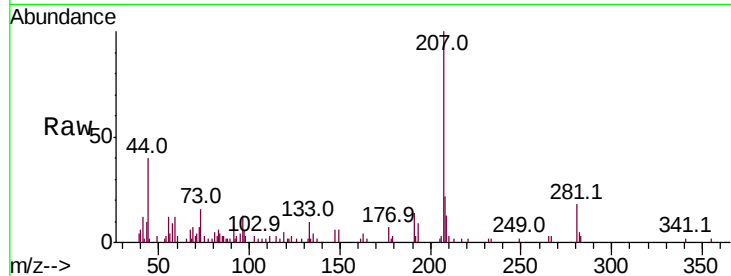




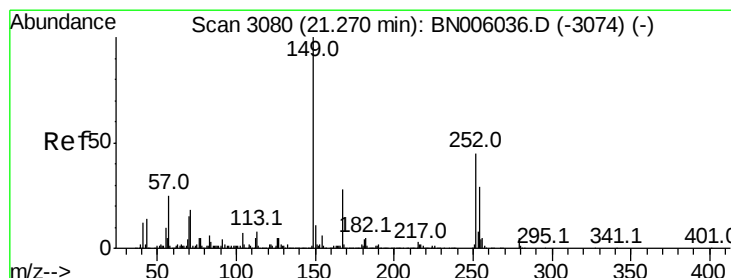
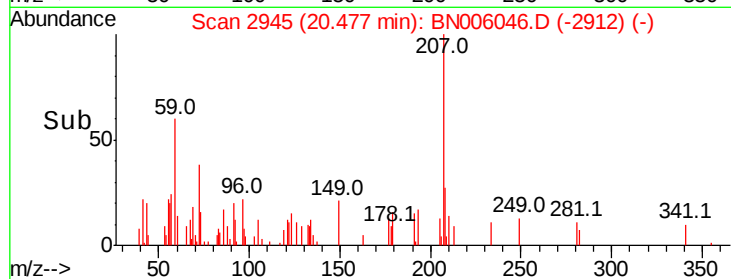
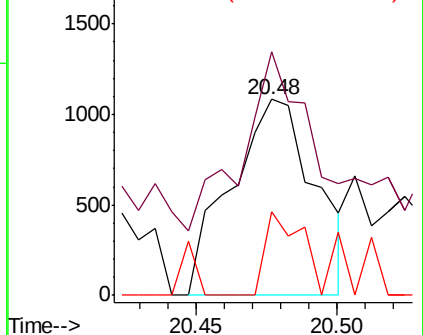
#80
Butylbenzylphthalate
Concen: 0.048 ng/ul
RT: 20.48 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BN006046.D
Acq: 03 Jun 2019 20:39

Instrument :
BNA_N
ClientSampleId :

Tot Ion:149 Resp: 2240
Ion Ratio Lower Upper
149 100
91 124.4 57.0 85.6#
206 42.7 17.4 26.2#

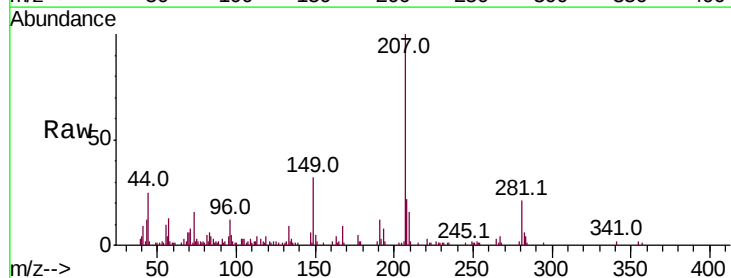


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BNA_N
Ion 206.00 (205.70 to 206.70): E

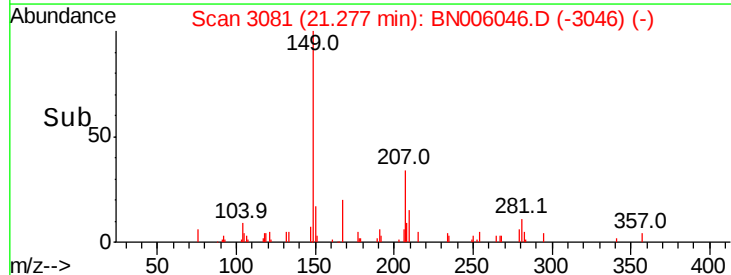
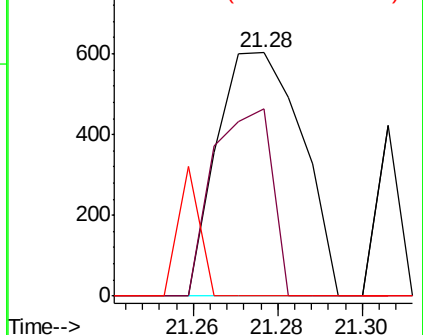


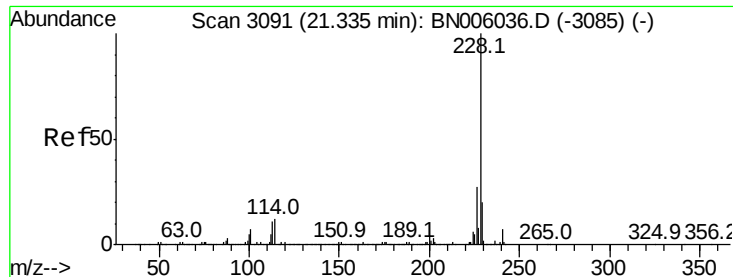
#81
3,3'-Dichlorobenzidine
Concen: 0.031 ng/ul
RT: 21.28 min Scan# 3081
Delta R.T. 0.01 min
Lab File: BN006046.D
Acq: 03 Jun 2019 20:39

Tgt Ion:252 Resp: 840
Ion Ratio Lower Upper
252 100
254 76.9 50.7 76.1#
126 0.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#82

Benzo(a)anthracene

Concen: 0.815 ng/ul

RT: 21.34 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

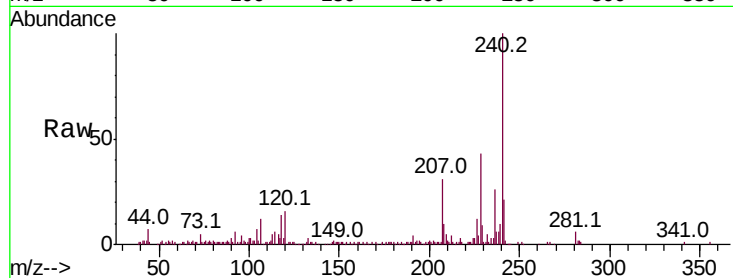
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 71429

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	27.2	21.6	32.4

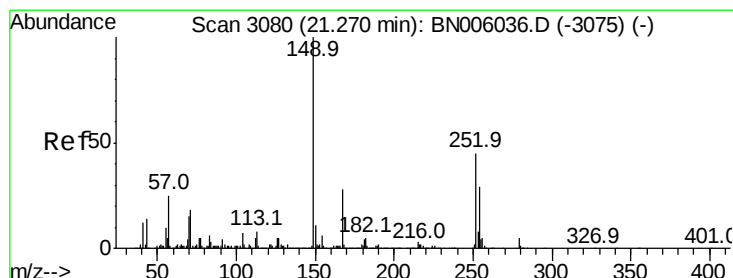
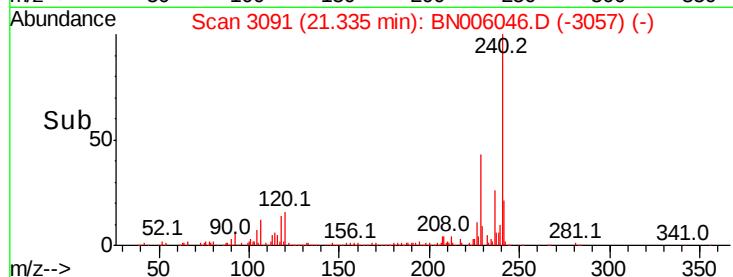
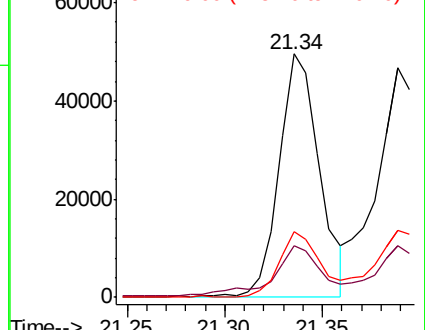


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.281 ng/ul

RT: 21.27 min Scan# 3080

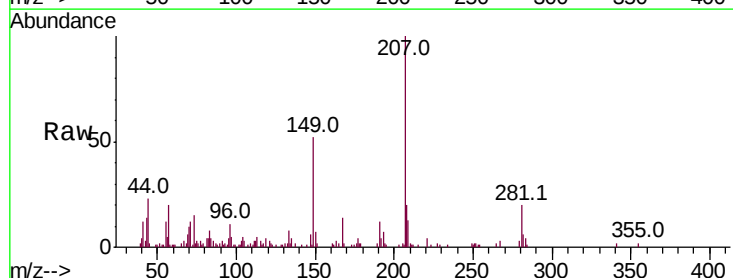
Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Tgt Ion:149 Resp: 17886

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.5	33.7
279	5.3	3.6	5.4

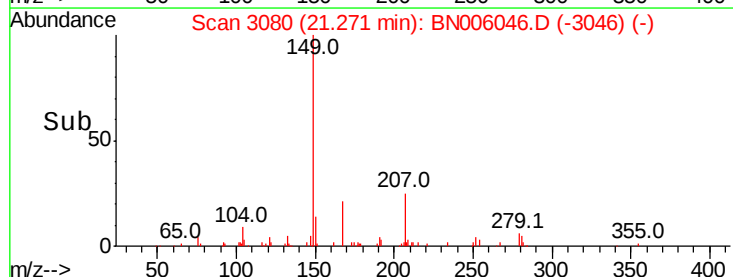
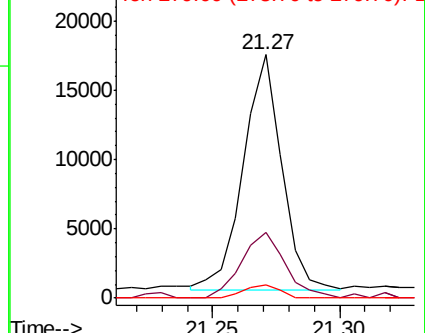


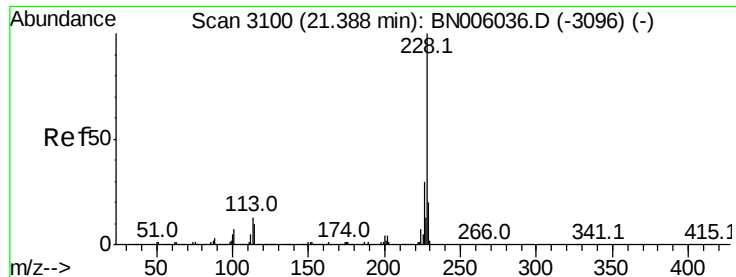
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 0.894 ng/ul

RT: 21.39 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

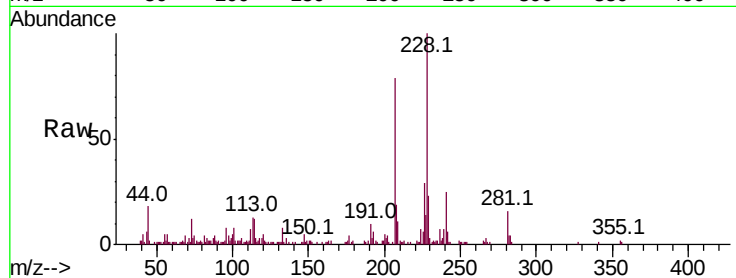
Tot Ion:228 Resp: 74063

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

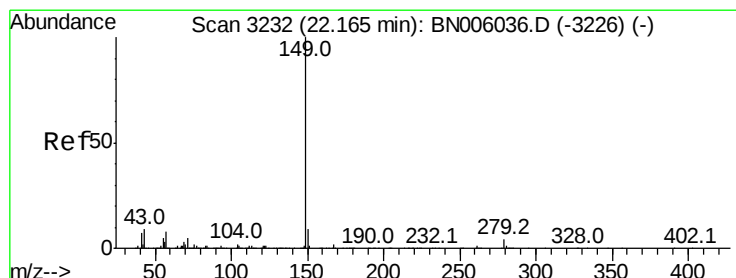
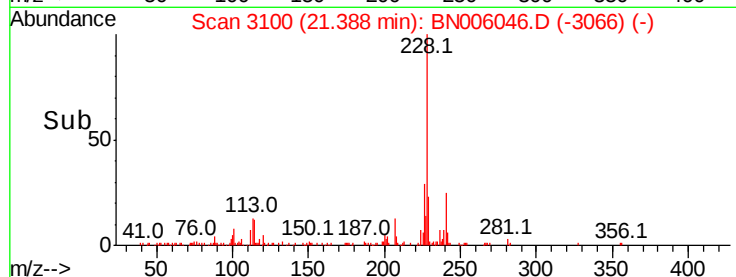
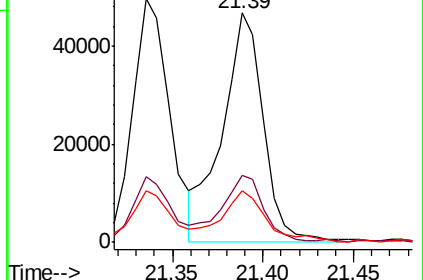
229 22.7 16.3 24.5



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



#86

Di-n-octyl phthalate

Concen: 0.024 ng/ul

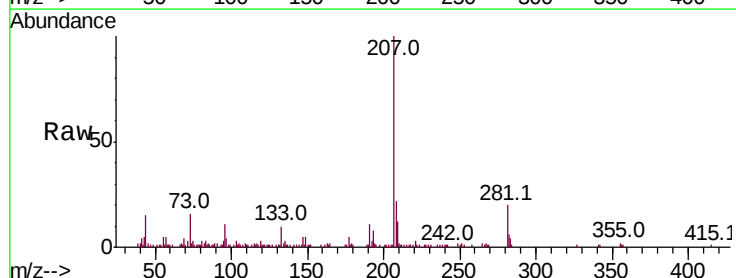
RT: 22.17 min Scan# 3233

Delta R.T. 0.01 min

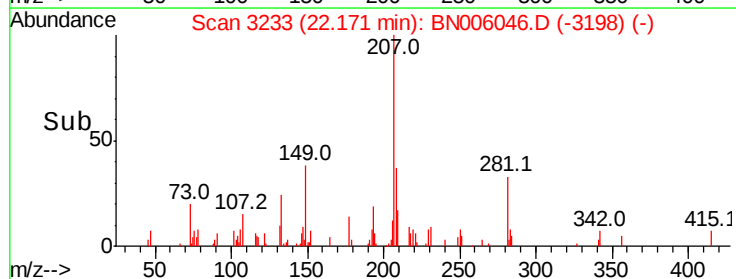
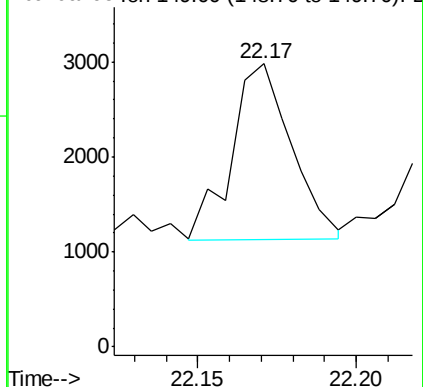
Lab File: BN006046.D

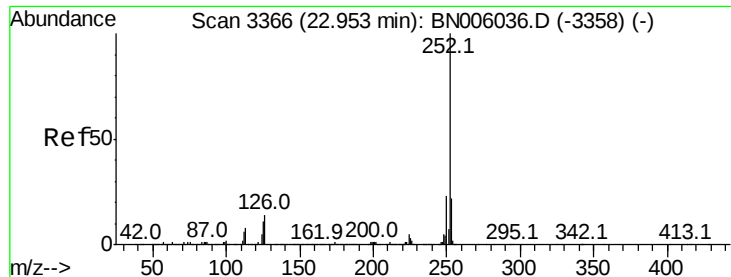
Acq: 03 Jun 2019 20:39

Tgt Ion:149 Resp: 2425



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 1.123 ng/ul

RT: 22.96 min Scan# 3367

Delta R.T. 0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampled :

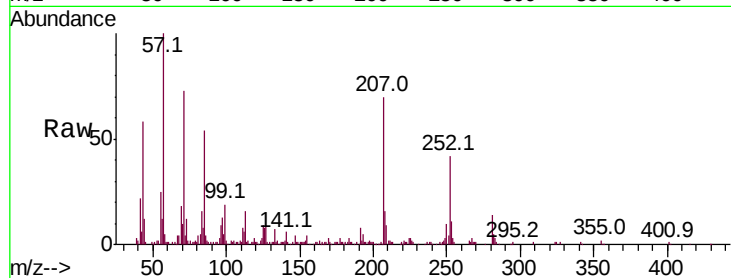
Tot Ion:252 Resp: 89858

Ion Ratio Lower Upper

252 100

253 25.6 17.3 25.9

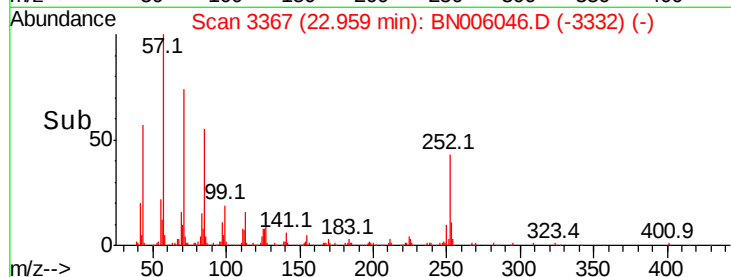
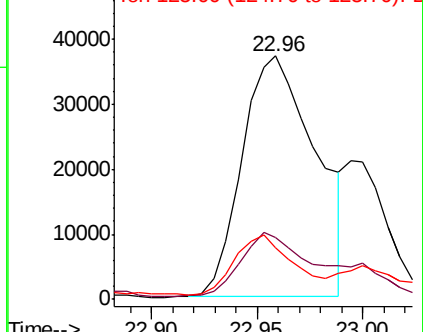
125 21.2 8.5 12.7#



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



#88

Benzo(k)fluoranthene

Concen: 1.159 ng/ul

RT: 22.96 min Scan# 3367

Delta R.T. -0.04 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

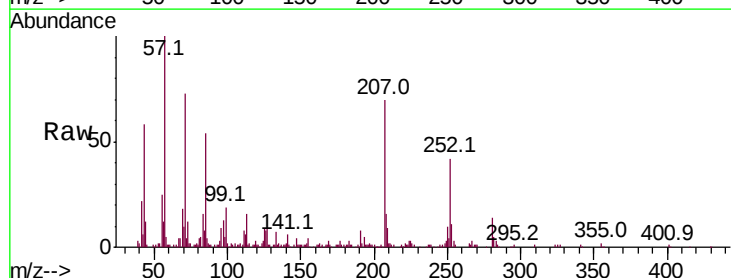
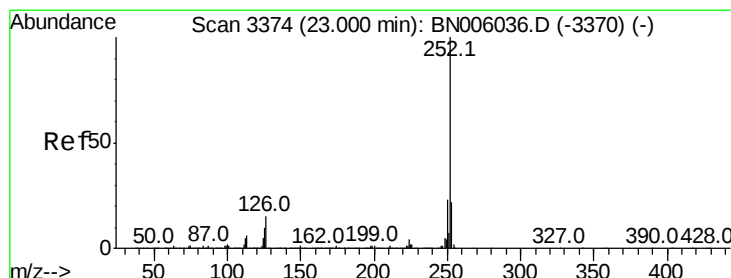
Tgt Ion:252 Resp: 89858

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

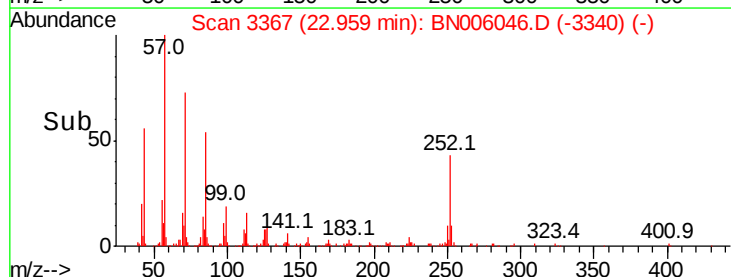
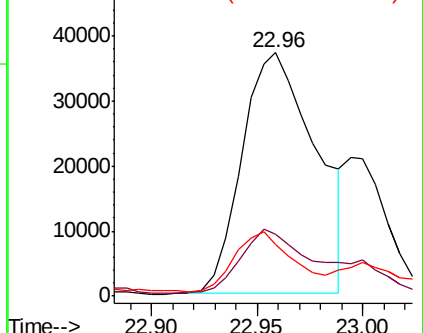
125 21.2 8.2 12.4#

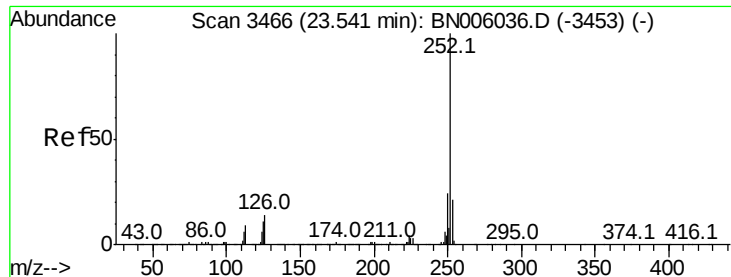


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.777 ng/ul

RT: 23.54 min Scan# 3466

Delta R.T. 0.00 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

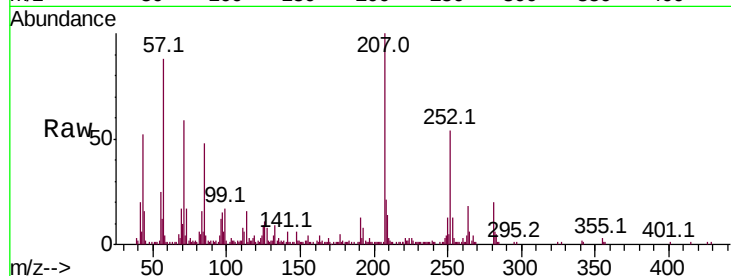
Tot Ion:252 Resp: 59133

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

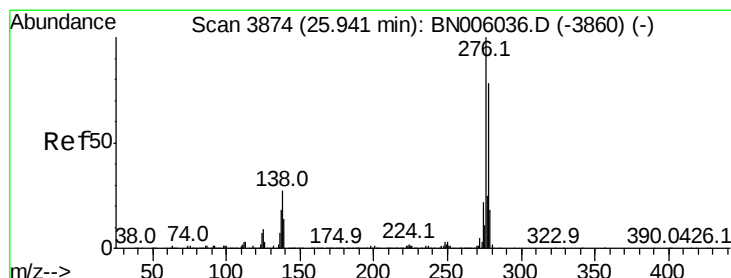
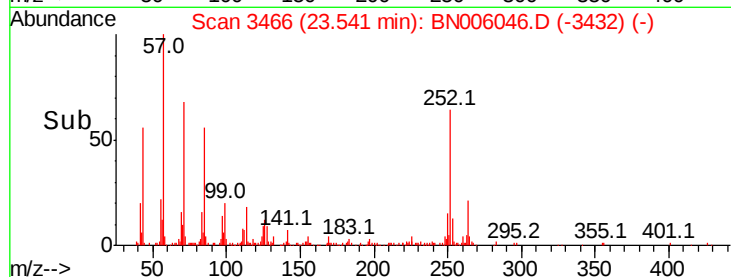
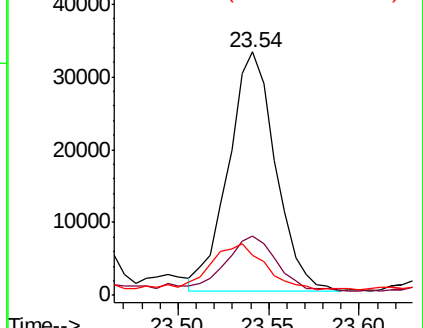
125 16.5 9.2 13.8#



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 0.437 ng/ul

RT: 25.94 min Scan# 3873

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

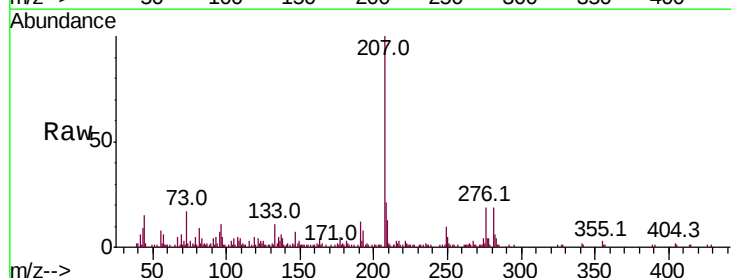
Tgt Ion:276 Resp: 38303

Ion Ratio Lower Upper

276 100

138 21.9 21.4 32.2

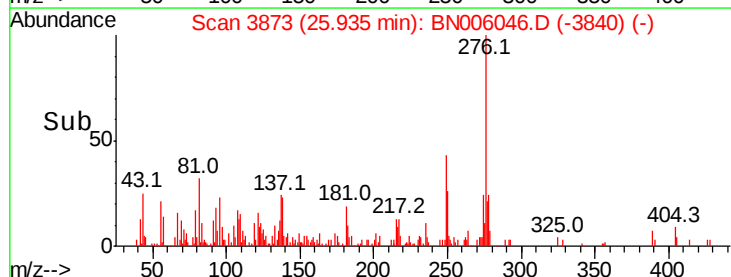
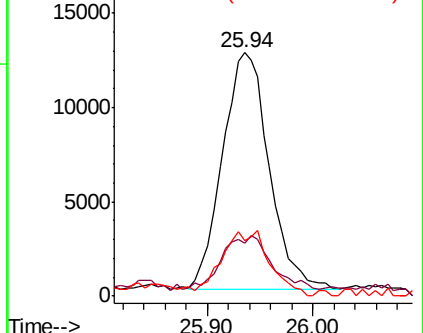
277 22.9 20.2 30.2

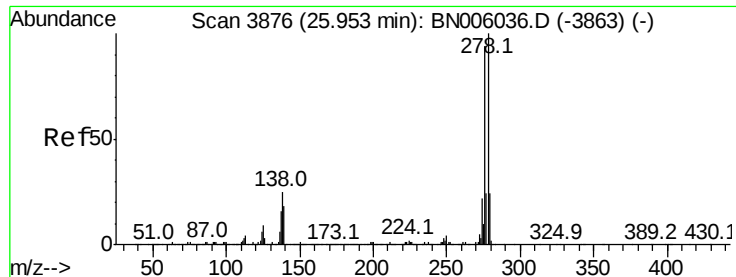


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 0.152 ng/ul

RT: 25.94 min Scan# 3874

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

Instrument :

BNA_N

ClientSampleId :

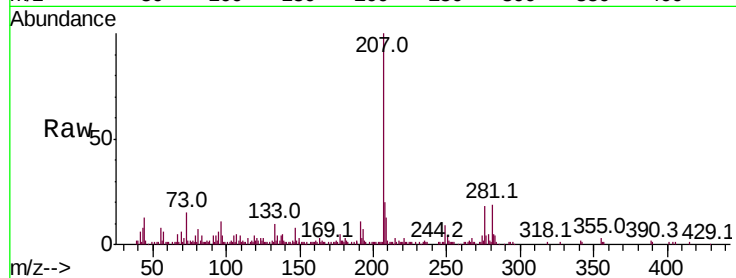
Tot Ion:278 Resp: 11195

Ion	Ratio	Lower	Upper
278	100		
139	39.7	14.2	21.2#
279	39.8	19.4	29.0#

278 100

139 39.7 14.2 21.2#

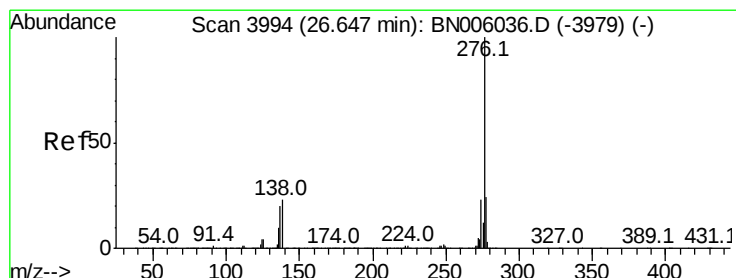
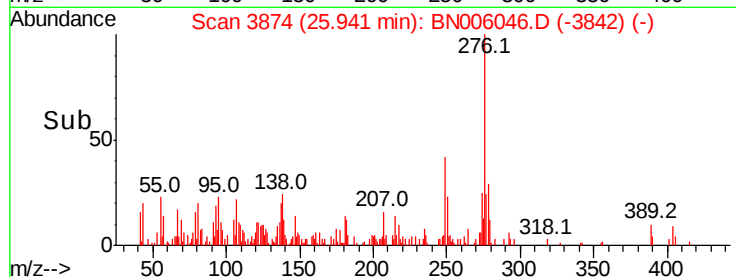
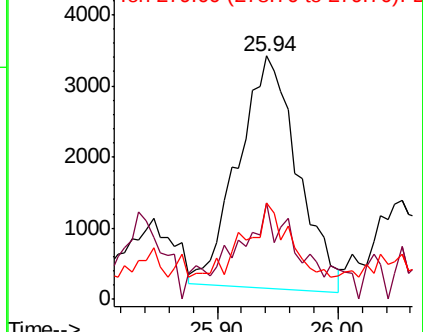
279 39.8 19.4 29.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 0.512 ng/ul

RT: 26.64 min Scan# 3993

Delta R.T. -0.01 min

Lab File: BN006046.D

Acq: 03 Jun 2019 20:39

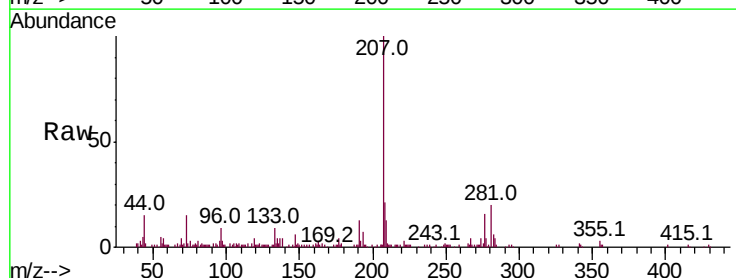
Tgt Ion:276 Resp: 36903

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.8	28.2
277	23.1	19.4	29.2

276 100

138 22.7 18.8 28.2

277 23.1 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

