

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
 Data File : BN005308.D
 Acq On : 26 Apr 2019 07:37
 Operator : JU/SJ
 Sample : K2481-11 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 26 08:21:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	446491	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	558181	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.30	164	3438	20.00	ng/ul	0.07
61) Phenanthrene-d10	17.12	188	1768943	20.00	ng/ul	0.14
77) Chrysene-d12	21.23	240	2475403	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2711689	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	17217	1.86	ng/uL	0.00
5) Phenol-d5	6.78	99	319714	9.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	270093	12.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	283295	10.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	94015	3.43	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	248601	72.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	202210	58.06	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	261861	32.80	ng/ul	0.02
29) 4-Chloroaniline-d4	10.53	131	303662	36.88	ng/ul	0.04
43) Dimethylphthalate-d6	13.69	166	1299641	5207.61	ng/ul	0.04
46) Acenaphthylene-d8	13.96	160	1550605	5058.69	ng/ul	0.04
51) 4-Nitrophenol-d4	14.55	143	21211	538.26	ng/ul	0.11
57) Fluorene-d10	15.35	176	44558	212.74	ng/ul	0.12
62) 4,6-Dinitro-2-methylphenol	15.47	200	125	0.02	ng/ul	0.12
70) Anthracene-d10	17.12	188	1768943	23.85	ng/ul	0.04
78) Pyrene-d10	19.42	212	2120455	16.74	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.29	264	1848444	15.60	ng/ul	-0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.76	77	248797	10.012	ng/ul#	1
14) Acetophenone	8.39	105	297599	6.783	ng/ul#	33
17) Hexachloroethane	8.69	117	2286014	189.740	ng/ul#	6
20) Nitrobenzene	8.78	77	87568	9.262	ng/ul#	1
21) Isophorone	9.30	82	33999	1.816	ng/ul#	1
24) 2,4-Dimethylphenol	9.58	107	23910	2.420	ng/ul#	54
25) Bis(2-Chloroethoxy)methane	9.79	93	59377	5.047	ng/ul	92
30) 4-Chloroaniline	10.53	127	34122545	4068.949	ng/ul#	8
32) Caprolactam	11.41	113	114174	47.893	ng/ul	88
36) 1,2,4,5-Tetrachlorobenzene	12.35	216	390	3.666	ng/ul#	1
38) 2,4,6-Trichlorophenol	12.70	196	2864	44.640	ng/ul#	13
39) 2,4,5-Trichlorophenol	12.78	196	3918	56.831	ng/ul#	13
40) 1,1'-Biphenyl	13.07	154	16477185	64323.142	ng/ul#	89
41) 2-Chloronaphthalene	13.16	162	926	4.700	ng/ul#	1
42) 2-Nitroaniline	13.45	65	498328	9536.454	ng/ul#	34
44) Dimethylphthalate	13.76	163	571	2.296	ng/ul#	35
45) 2,6-Dinitrotoluene	13.89	165	675	15.720	ng/ul#	1
47) Acenaphthylene	14.12	152	102369	339.828	ng/ul#	1
48) 3-Nitroaniline	14.23	138	49938	1251.008	ng/ul#	85
49) Acenaphthene	14.32	153	7543877	36682.794	ng/ul	98
50) 2,4-Dinitrophenol	14.42	184	13237	632.867	ng/ul#	1
52) 4-Nitrophenol	14.53	109	840	23.484	ng/ul#	7
53) Dibenzofuran	14.65	168	9446120	31902.786	ng/ul	95

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005308.D
 Acq On : 26 Apr 2019 07:37
 Operator : JU/SJ
 Sample : K2481-11 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

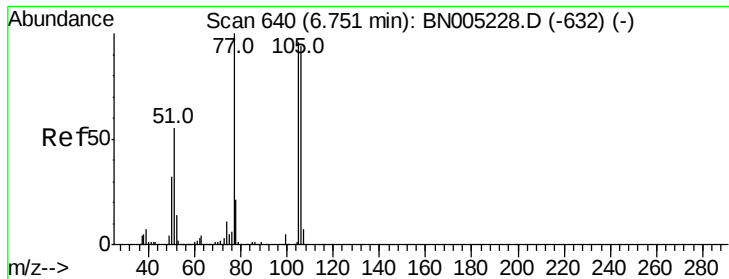
Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 26 08:21:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

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

54) 2,4-Dinitrotoluene	14.66	165	569833	9205.635	ng/ul#	49
55) 2,3,4,6-Tetrachlorophenol	14.95	232	541	9.433	ng/ul#	1
56) Diethylphthalate	15.13	149	51565	206.796	ng/ul#	1
58) Fluorene	15.40	166	88349	382.390	ng/ul#	1
60) 4-Nitroaniline	15.40	138	5931	119.180	ng/ul#	57
64) N-Nitrosodiphenylamine	15.63	169	602493	12.444	ng/ul#	17
69) Phenanthrene	17.15	178	3902745	45.302	ng/ul#	75
71) Anthracene	17.25	178	731906	8.340	ng/ul#	1
76) Fluoranthene	19.23	202	15463738	161.827	ng/ul	97
79) Pvrene	19.44	202	3517933	22.072	ng/ul#	85
82) Benzo(a)anthracene	21.26	228	15574837	101.138	ng/ul#	86
84) Chrysene	21.26	228	15574837	108.974	ng/ul#	89
87) Benzo(b)fluoranthene	22.78	252	9454294	62.023	ng/ul	99
88) Benzo(k)fluoranthene	22.78	252	9454294	64.942	ng/ul	98
90) Benzo(a)pyrene	23.34	252	10656041	74.373	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.60	276	3321909	20.970	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.60	278	1292494	9.614	ng/ul	95
93) Benzo(g,h,i)perylene	26.27	276	2825542	21.572	ng/ul	97

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



#4

Benzaldehyde

Concen: 10.012 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. 0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

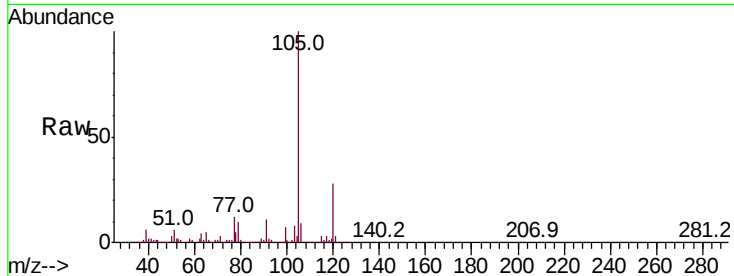
Tot Ion: 77 Resp: 248797

Ion Ratio Lower Upper

77 100

105 835.1 77.4 116.2#

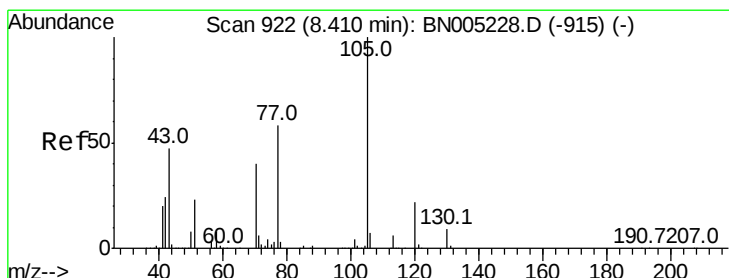
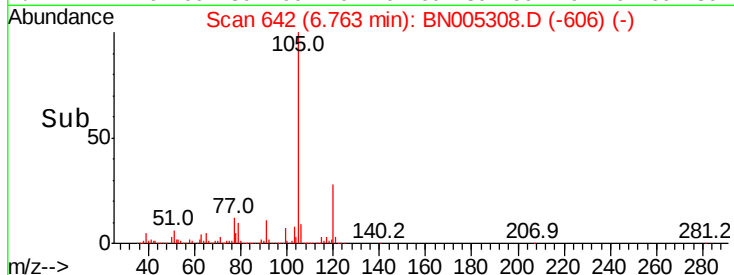
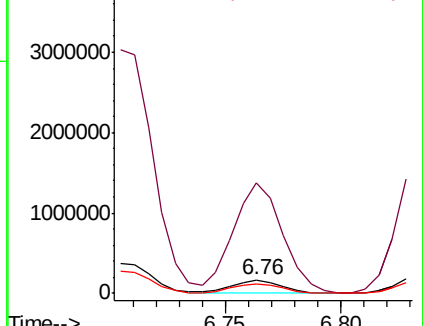
106 74.8 76.3 114.5#



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



#14

Acetophenone

Concen: 6.783 ng/ul

RT: 8.39 min Scan# 919

Delta R.T. -0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

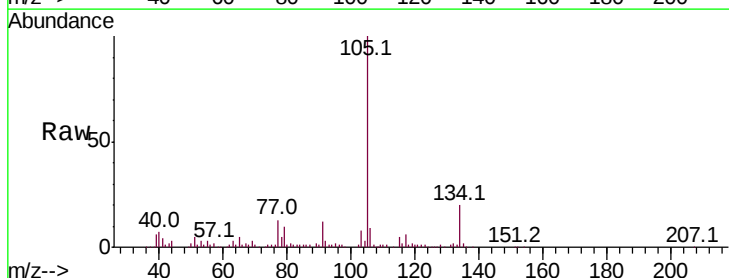
Tgt Ion: 105 Resp: 297599

Ion Ratio Lower Upper

105 100

77 13.0 63.4 95.0#

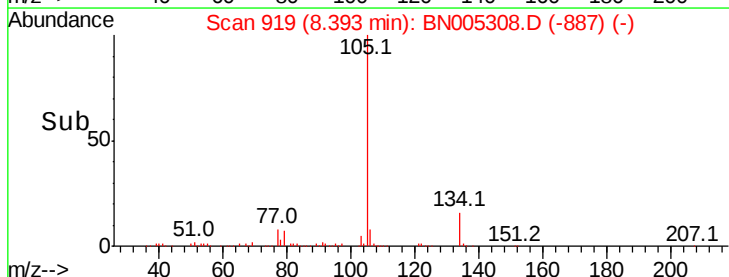
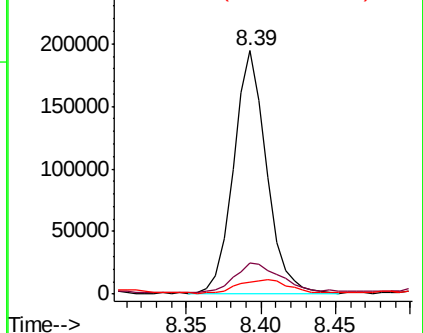
51 5.0 24.2 36.4#

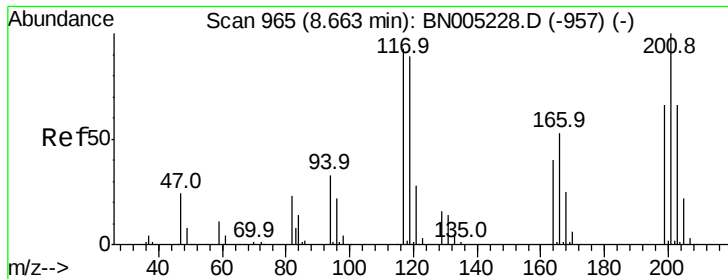


Abundance Ion 105.00 (104.70 to 105.70): BNC

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

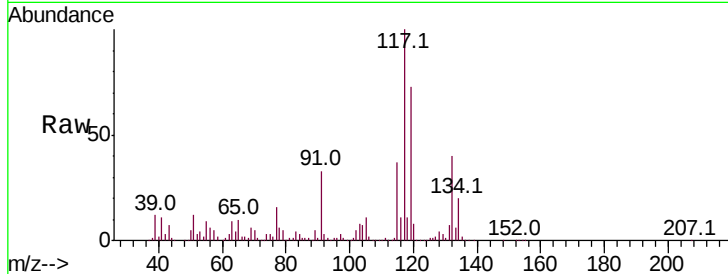




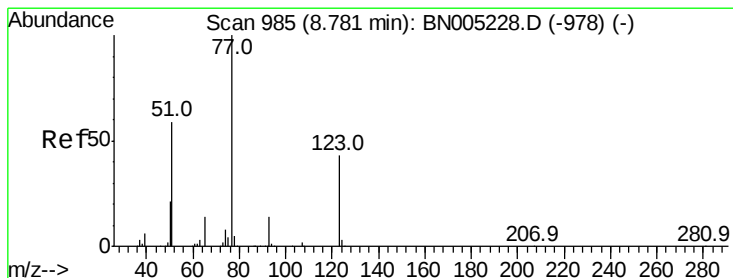
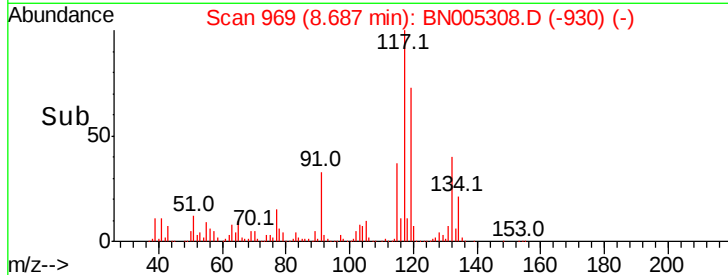
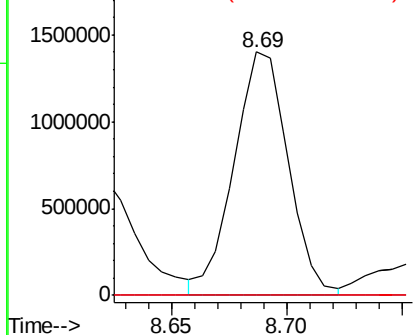
#17
Hexachloroethane
Concen: 189.740 ng/ul
RT: 8.69 min Scan# 969
Delta R.T. 0.03 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Instrument :
BNA_N
ClientSampleId :

Tot Ion:117 Resp: 2286014
Ion Ratio Lower Upper
117 100
201 0.0 84.1 126.1#
199 0.0 51.2 76.8#

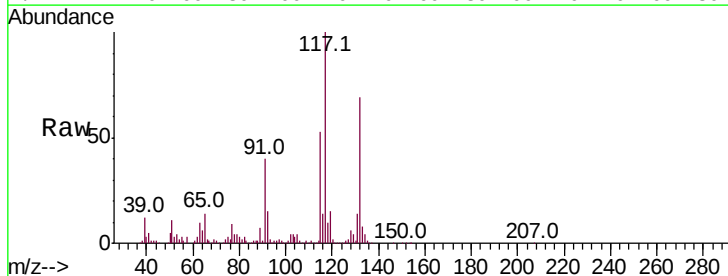


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

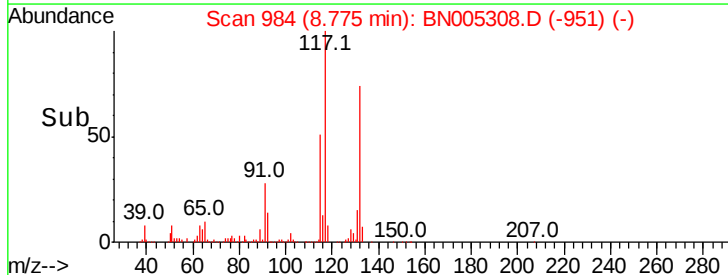
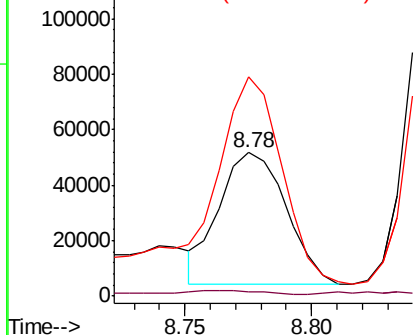


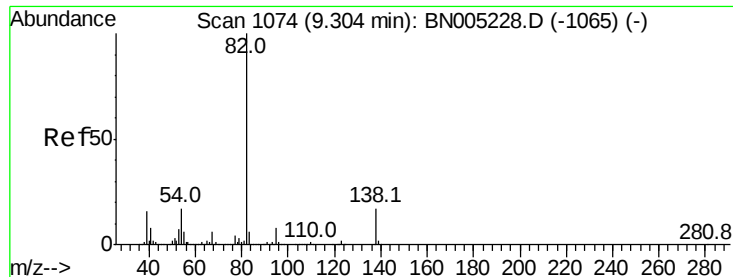
#20
Nitrobenzene
Concen: 9.262 ng/ul
RT: 8.78 min Scan# 984
Delta R.T. -0.01 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion: 77 Resp: 87568
Ion Ratio Lower Upper
77 100
123 2.7 32.6 49.0#
65 153.0 11.6 17.4#



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





#21

Isophorone

Concen: 1.816 ng/ul

RT: 9.30 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

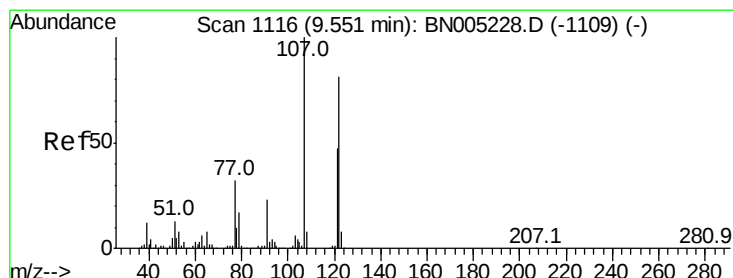
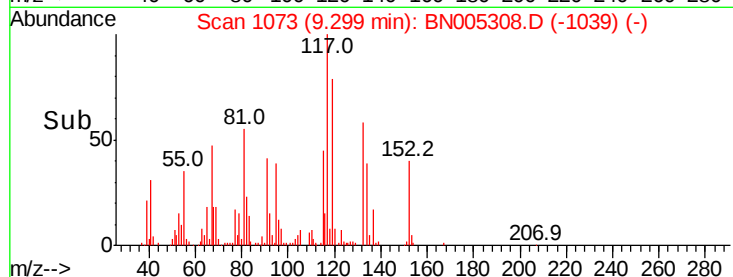
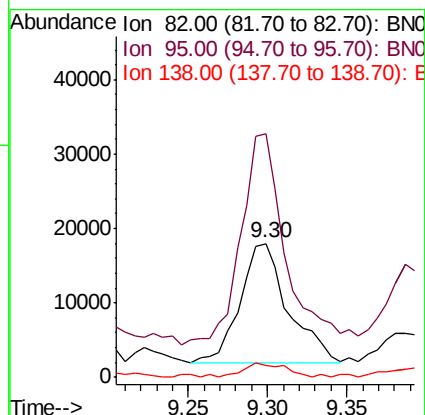
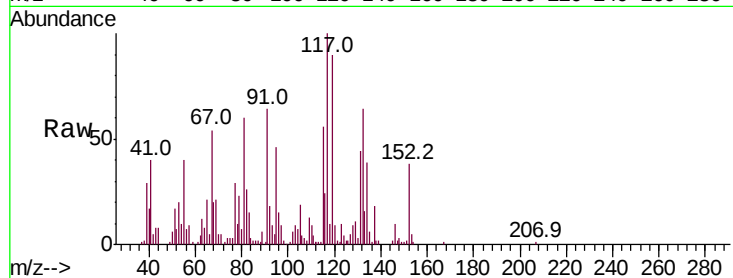
Tot Ion: 82 Resp: 33999

Ion Ratio Lower Upper

82 100

95 181.7 6.2 9.2#

138 8.7 13.2 19.8#



#24

2,4-Dimethylphenol

Concen: 2.420 ng/ul

RT: 9.58 min Scan# 1120

Delta R.T. 0.02 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

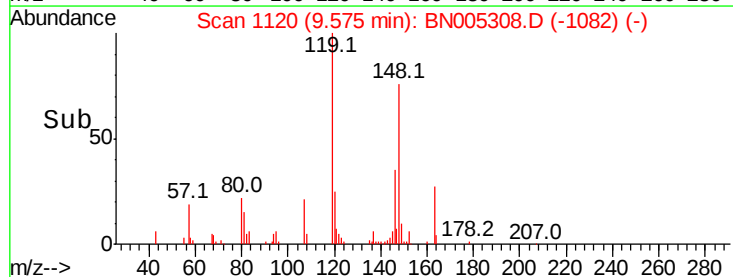
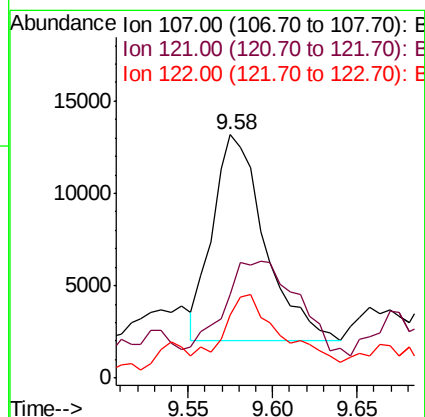
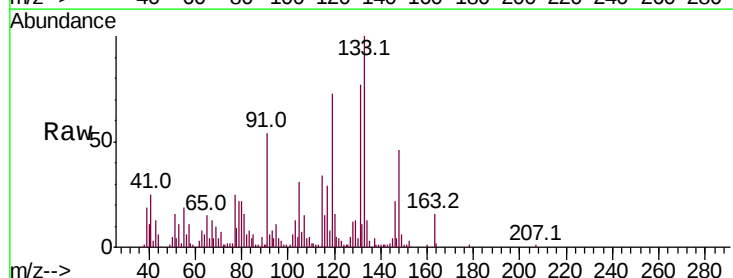
Tgt Ion:107 Resp: 23910

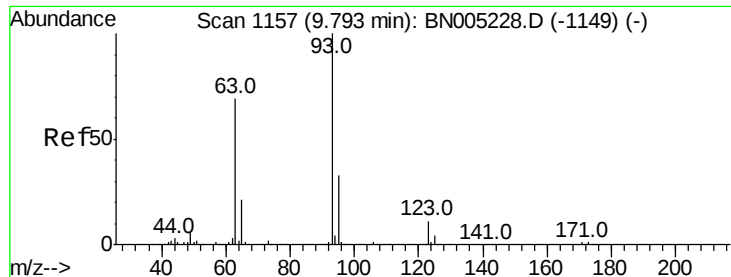
Ion Ratio Lower Upper

107 100

121 34.3 37.8 56.8#

122 25.9 65.0 97.4#





#25

Bis(2-Chloroethoxy)methane

Concen: 5.047 ng/ul

RT: 9.79 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

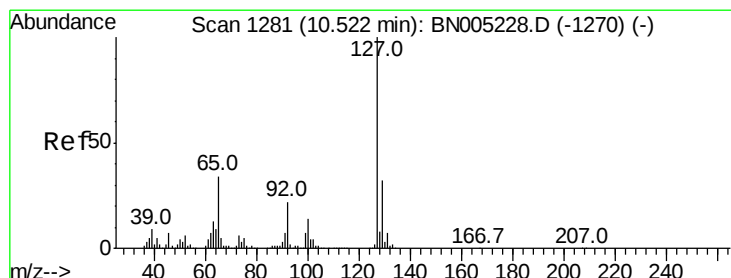
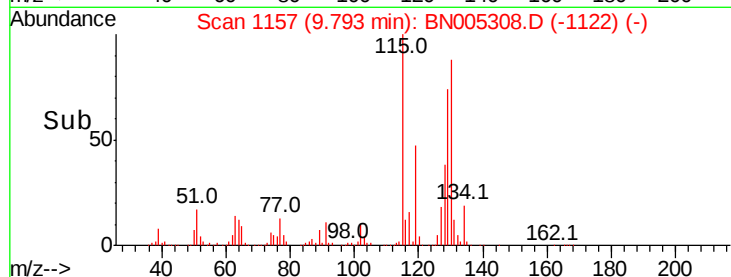
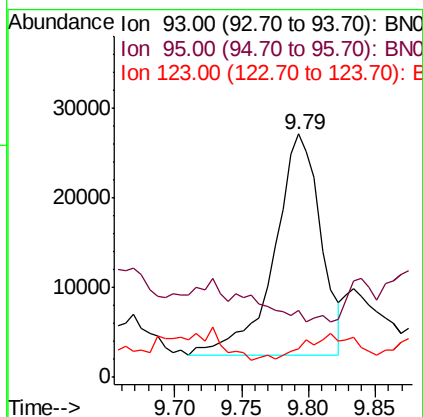
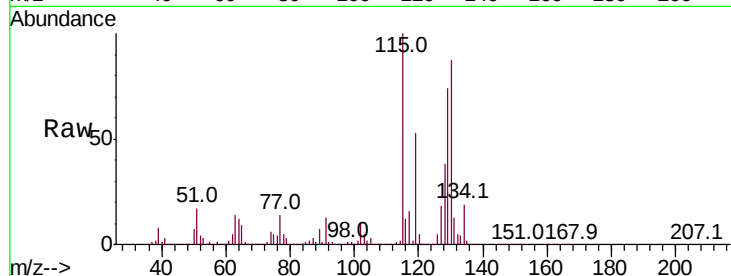
Tot Ion: 93 Resp: 59377

Ion Ratio Lower Upper

93 100

95 27.7 26.6 39.8

123 11.9 8.9 13.3



#30

4-Chloroaniline

Concen: 4068.949 ng/ul

RT: 10.53 min Scan# 1282

Delta R.T. 0.01 min

Lab File: BN005308.D

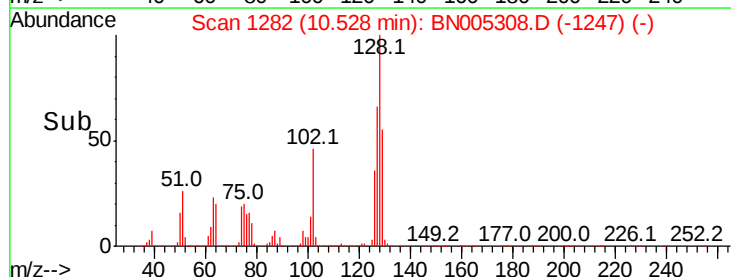
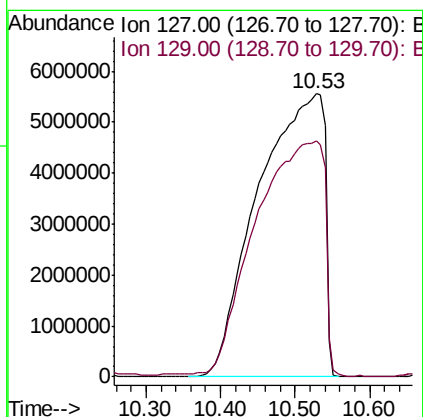
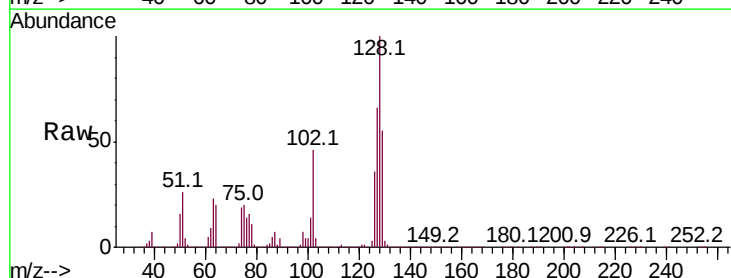
Acq: 26 Apr 2019 07:37

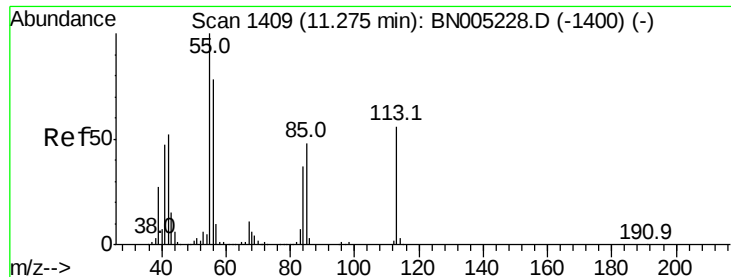
Tgt Ion:127 Resp:34122545

Ion Ratio Lower Upper

127 100

129 83.4 25.8 38.6#





#32

Caprolactam

Concen: 47.893 ng/ul

RT: 11.41 min Scan# 1432

Delta R.T. 0.14 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

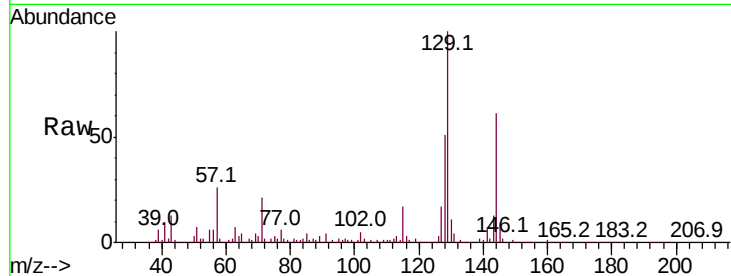
Tot Ion:113 Resp: 114174

Ion Ratio Lower Upper

113 100

55 186.4 157.0 235.4

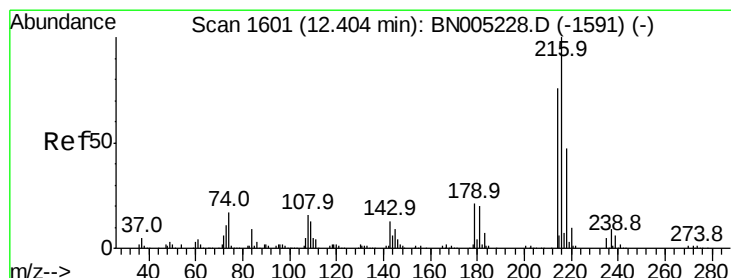
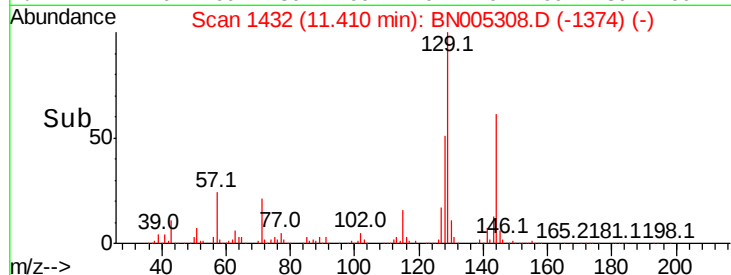
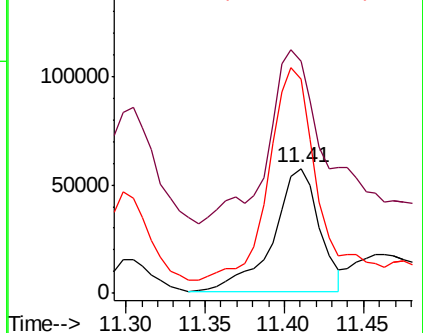
56 172.3 119.1 178.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#36

1,2,4,5-Tetrachlorobenzene

Concen: 3.666 ng/ul

RT: 12.35 min Scan# 1592

Delta R.T. -0.05 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Tgt Ion:216 Resp: 390

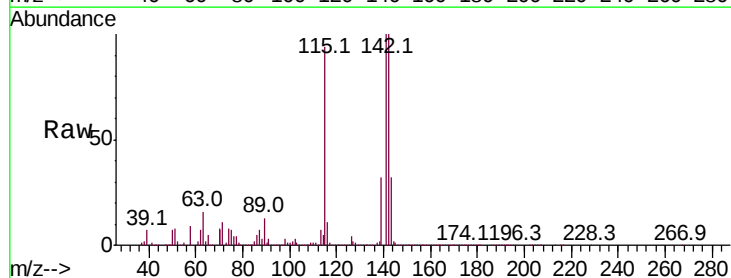
Ion Ratio Lower Upper

216 100

214 0.0 64.1 96.1#

179 1214.6 17.4 26.0#

108 1747.0 13.7 20.5#

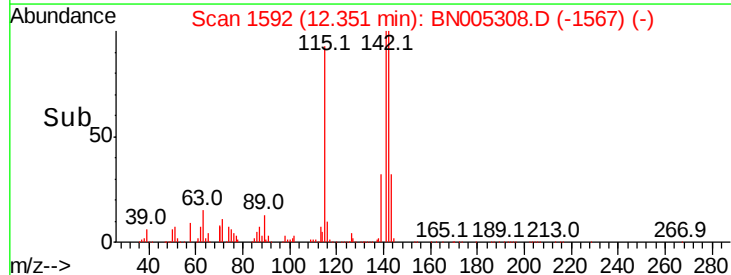
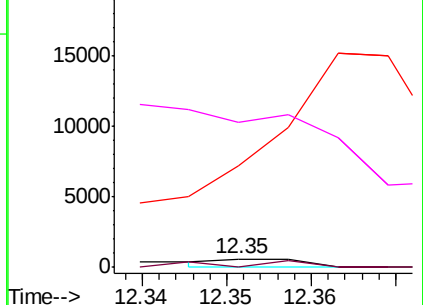


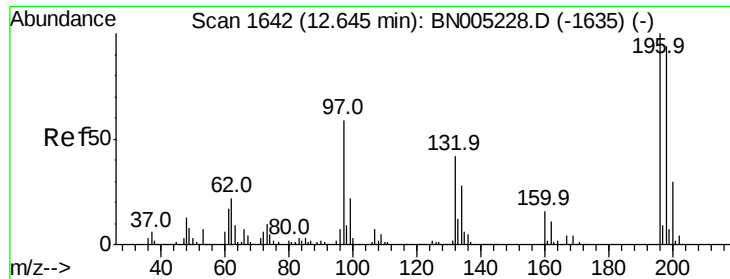
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

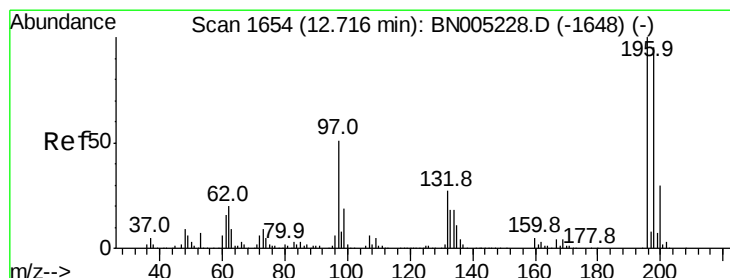
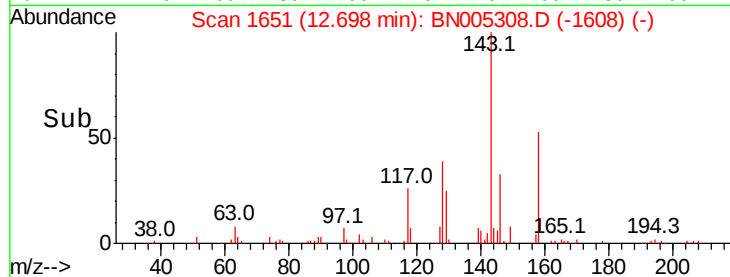
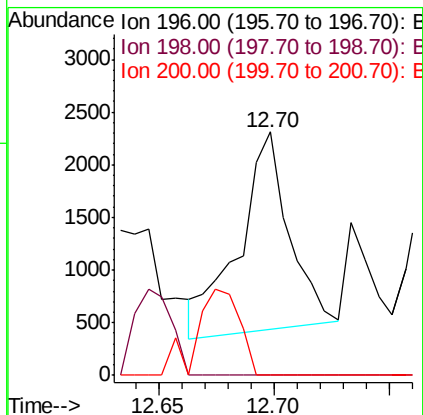
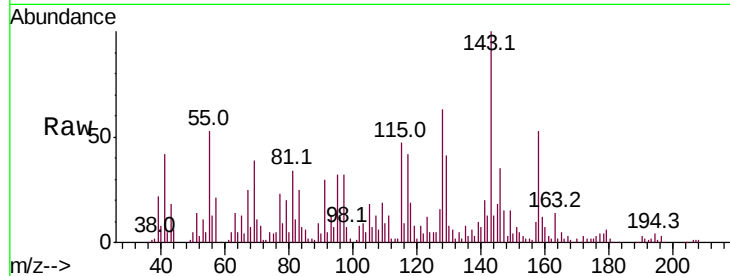




#38
 2,4,6-Trichlorophenol
 Concen: 44.640 ng/ul
 RT: 12.70 min Scan# 1651
 Delta R.T. 0.05 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

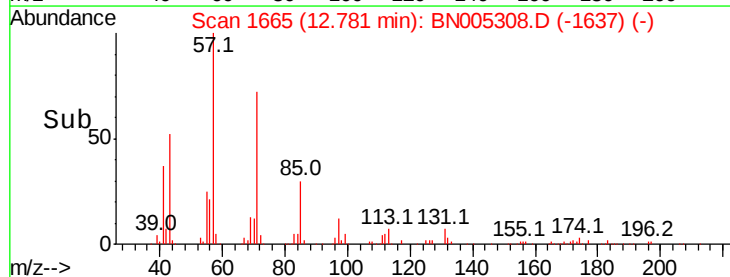
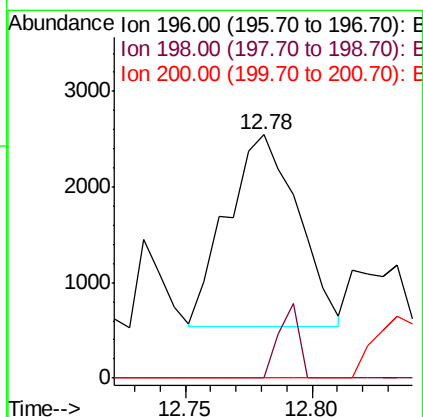
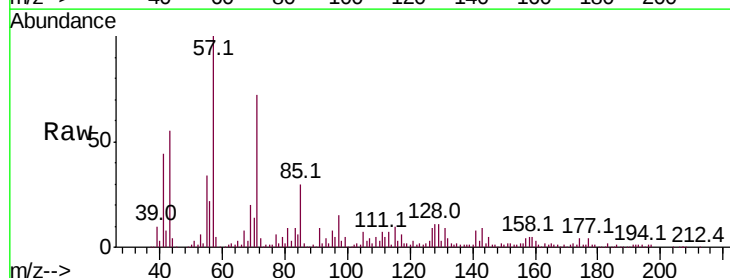
Instrument :
 BNA_N
 ClientSampleId :

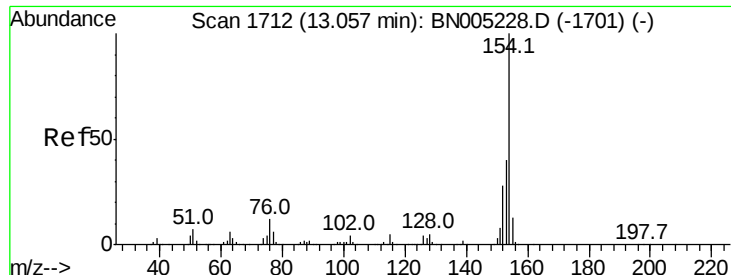
Tot Ion:196 Resp: 2864
 Ion Ratio Lower Upper
 196 100
 198 0.0 74.8 112.2#
 200 0.0 23.5 35.3#



#39
 2,4,5-Trichlorophenol
 Concen: 56.831 ng/ul
 RT: 12.78 min Scan# 1665
 Delta R.T. 0.07 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

Tgt Ion:196 Resp: 3918
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.0 112.4#
 200 0.0 24.2 36.4#



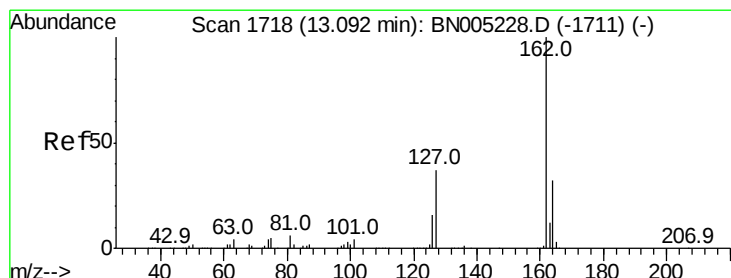
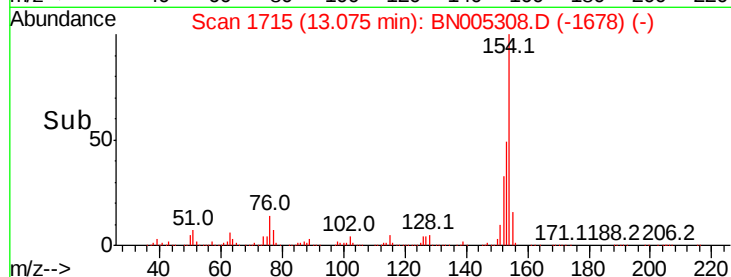
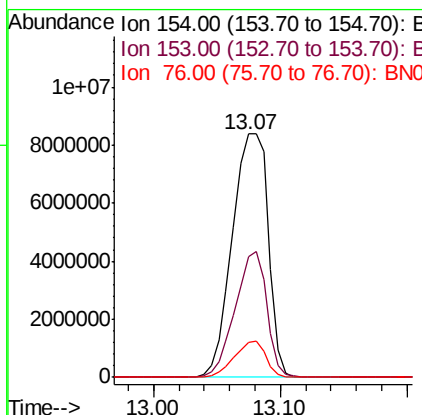
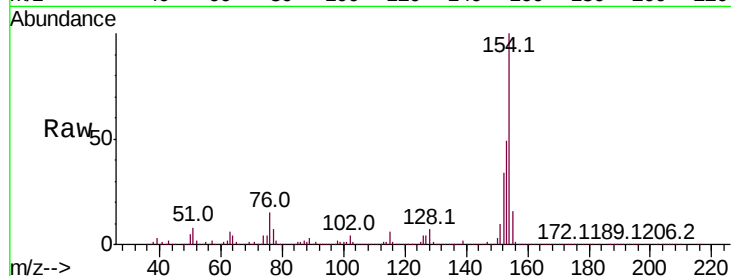


#40
 1,1'-Biphenyl
 Concen: 64323.142 ng/ul
 RT: 13.07 min Scan# 1715
 Delta R.T. 0.02 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:154 Resp:16477185

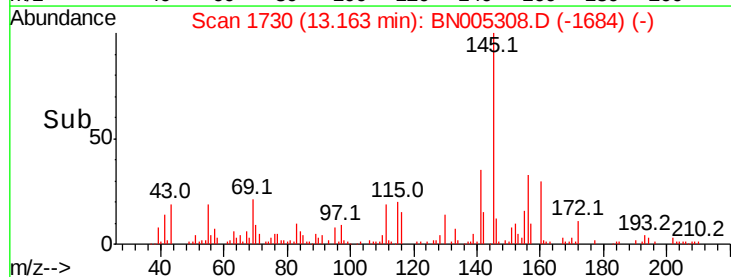
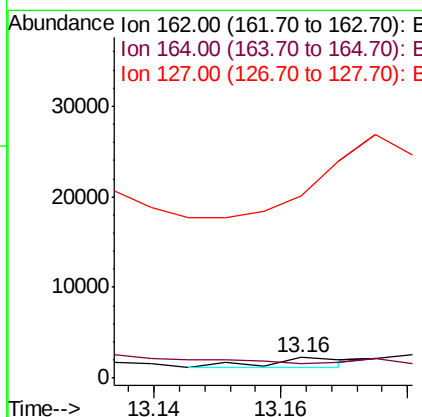
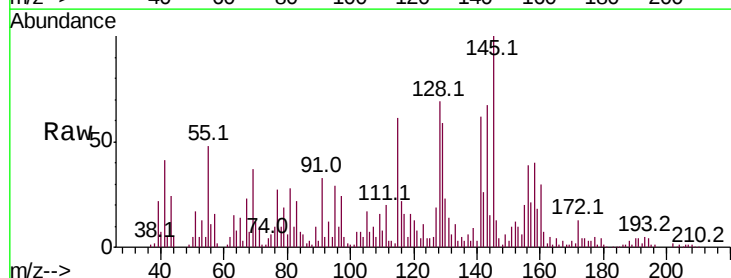
Ion	Ratio	Lower	Upper
154	100		
153	49.3	32.6	49.0#
76	14.6	10.4	15.6

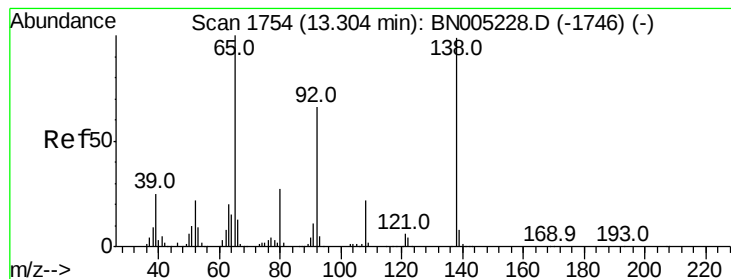


#41
 2-Chloronaphthalene
 Concen: 4.700 ng/ul
 RT: 13.16 min Scan# 1730
 Delta R.T. 0.07 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

Tgt Ion:162 Resp: 926

Ion	Ratio	Lower	Upper
162	100		
164	67.4	26.8	40.2#
127	878.8	33.5	50.3#





#42

2-Nitroaniline

Concen: 9536.454 ng/ul

RT: 13.45 min Scan# 1778

Delta R.T. 0.14 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

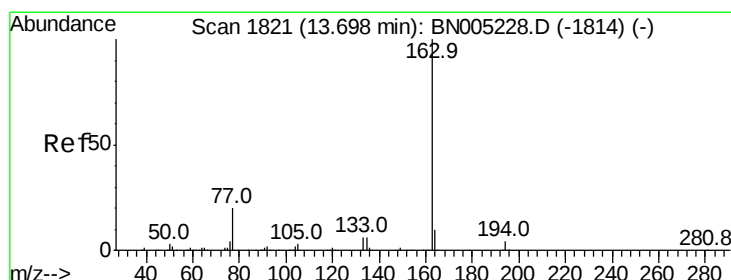
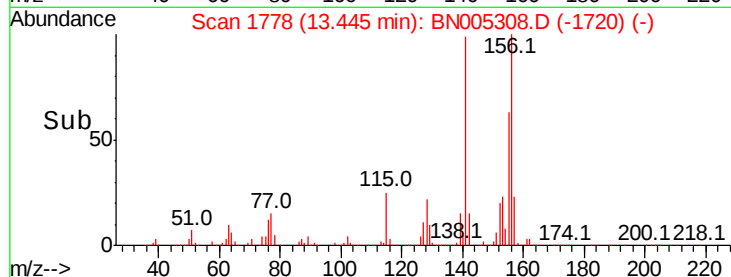
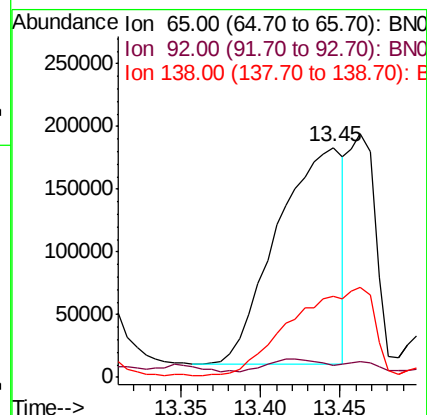
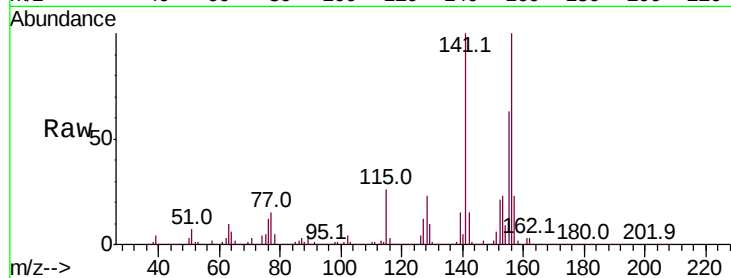
Tot Ion: 65 Resp: 498328

Ion Ratio Lower Upper

65 100

92 5.4 51.6 77.4#

138 35.3 73.9 110.9#



#44

Dimethylphthalate

Concen: 2.296 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. 0.07 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

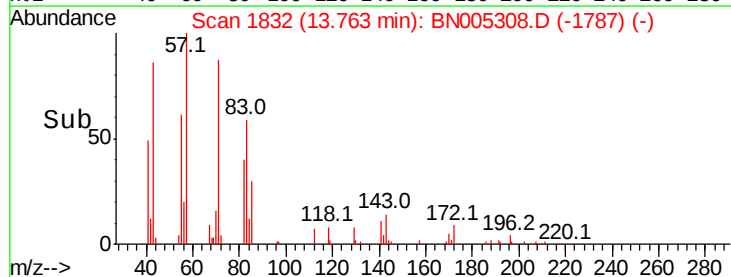
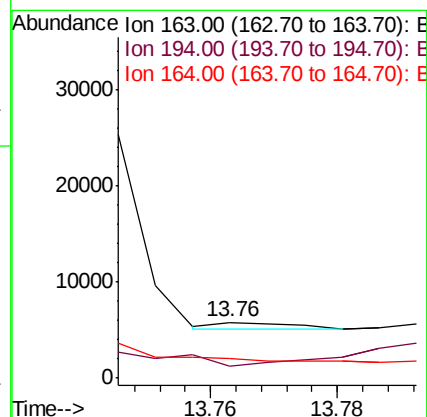
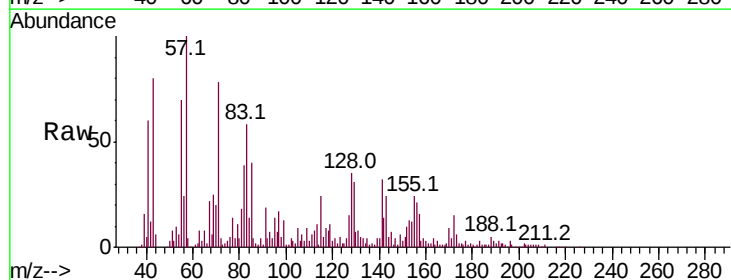
Tgt Ion:163 Resp: 571

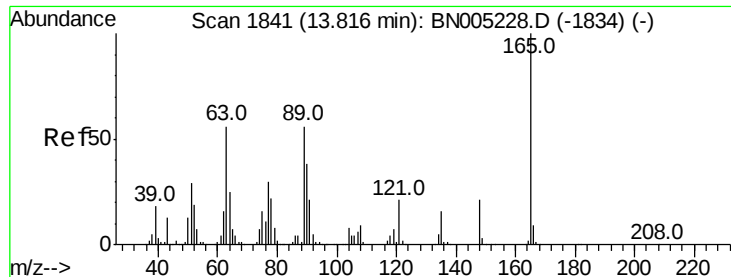
Ion Ratio Lower Upper

163 100

194 21.6 3.4 5.0#

164 35.8 8.1 12.1#

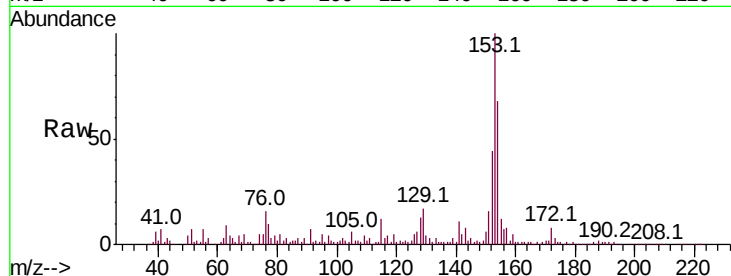




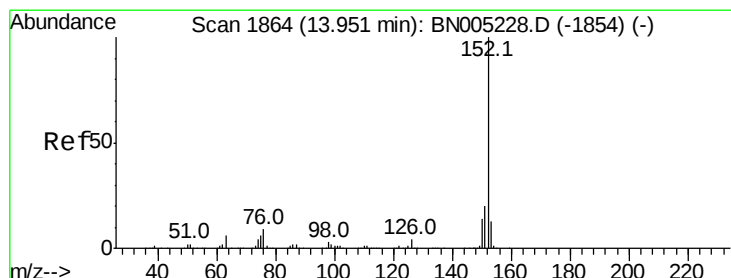
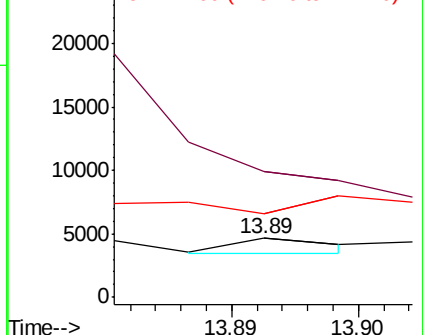
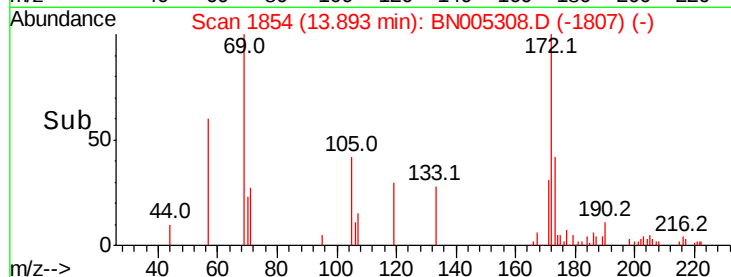
#45
2,6-Dinitrotoluene
Concen: 15.720 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.08 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Instrument :
BNA_N
ClientSampled :

Tot Ion:165 Resp: 675
Ion Ratio Lower Upper
165 100
89 214.7 50.2 75.2#
121 141.3 19.4 29.2#

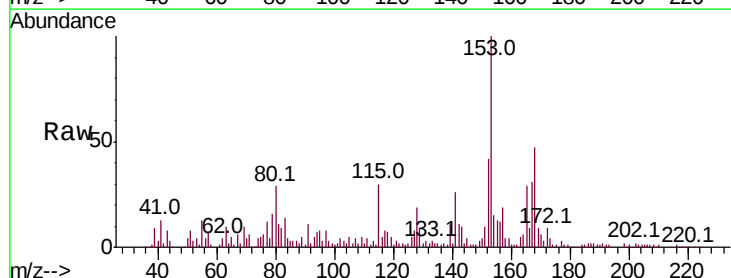


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BNO
Ion 121.00 (120.70 to 121.70): E

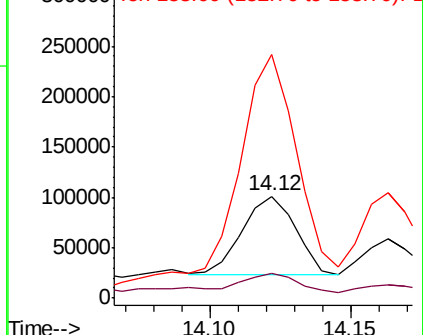
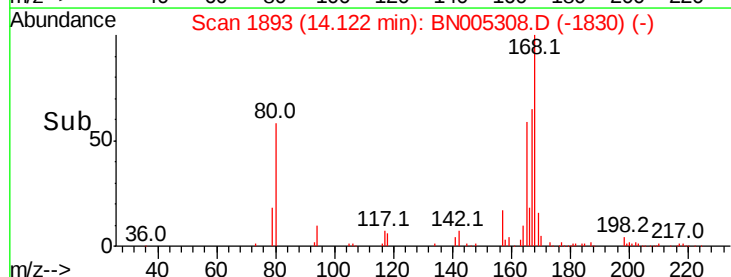


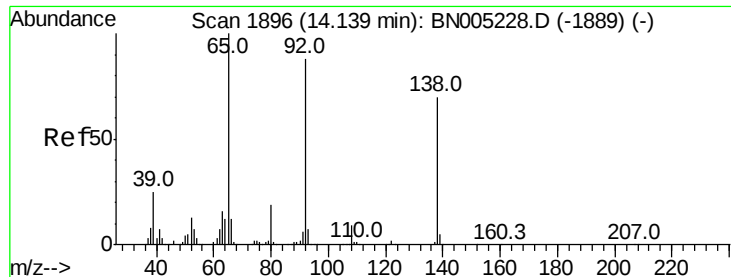
#47
Acenaphthylene
Concen: 339.828 ng/ul
RT: 14.12 min Scan# 1893
Delta R.T. 0.17 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion:152 Resp: 102369
Ion Ratio Lower Upper
152 100
151 24.1 15.8 23.8#
153 238.7 9.8 14.8#



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

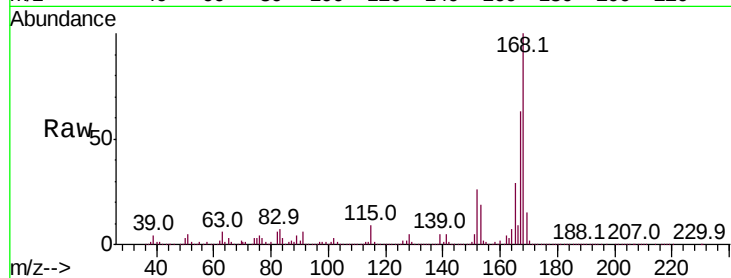




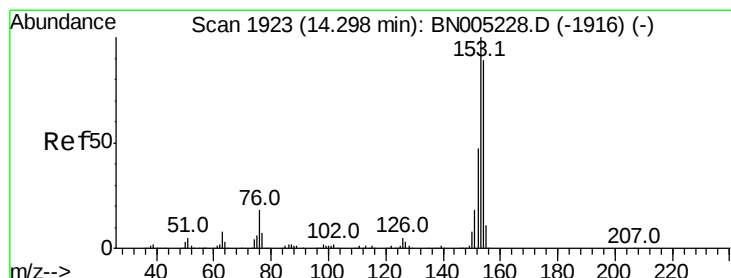
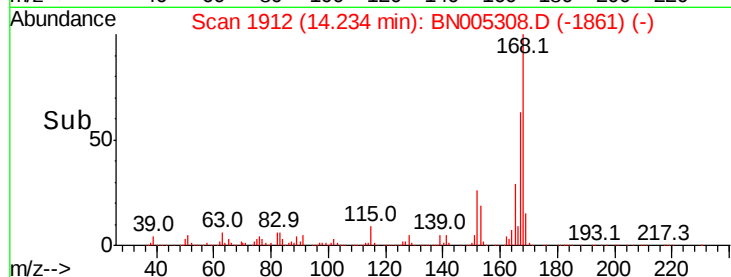
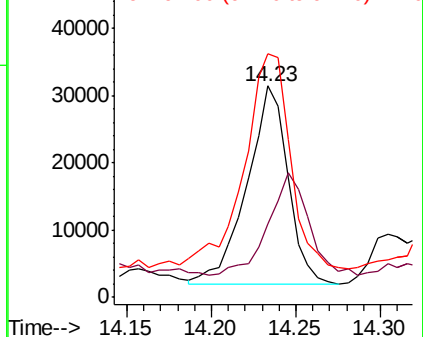
#48
3-Nitroaniline
Concen: 1251.008 ng/ul
RT: 14.23 min Scan# 1912
Delta R.T. 0.10 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Instrument :
BNA_N
ClientSampled :

Tot Ion:138 Resp: 49938
Ion Ratio Lower Upper
138 100
108 34.7 12.1 18.1#
92 115.2 102.9 154.3

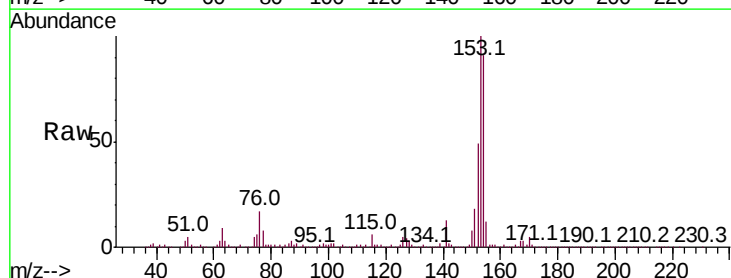


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BNO

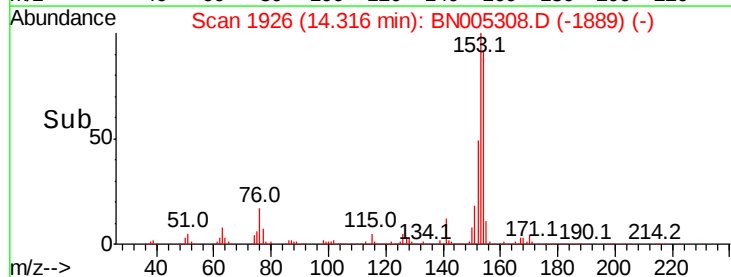
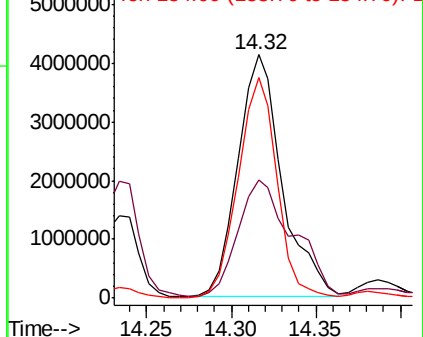


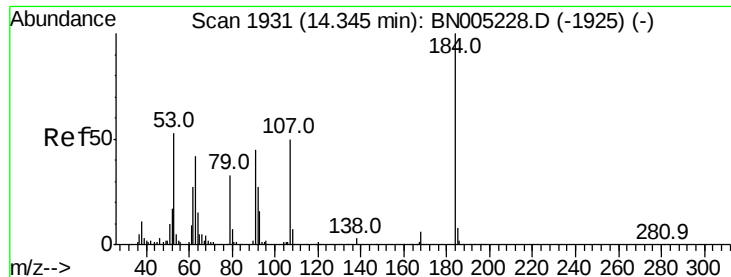
#49
Acenaphthene
Concen: 36682.794 ng/ul
RT: 14.32 min Scan# 1926
Delta R.T. 0.02 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion:153 Resp: 7543877
Ion Ratio Lower Upper
153 100
152 48.8 37.4 56.0
154 90.6 71.2 106.8



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

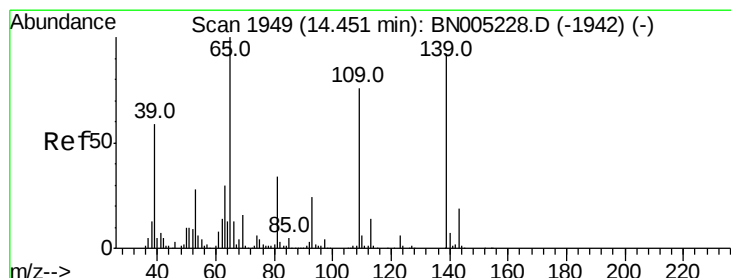
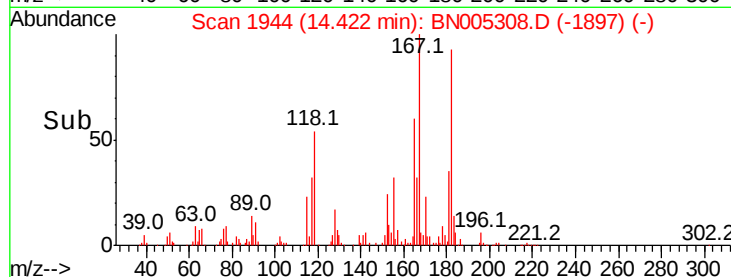
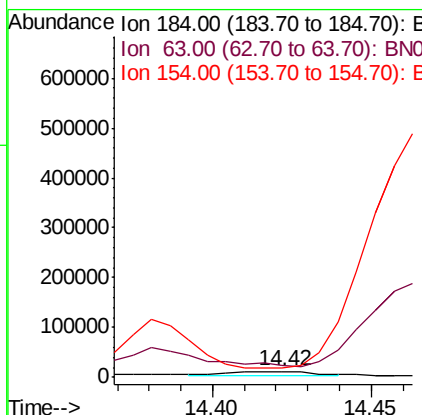
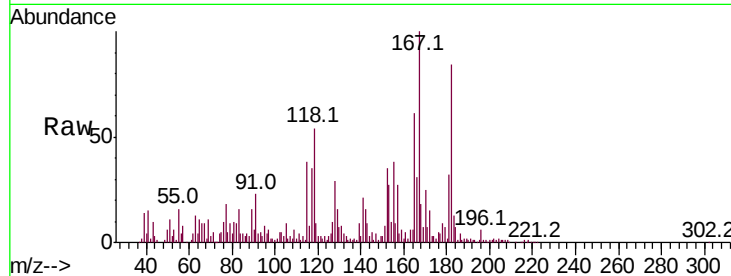




#50
2,4-Dinitrophenol
Concen: 632.867 ng/ul
RT: 14.42 min Scan# 1944
Delta R.T. 0.08 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

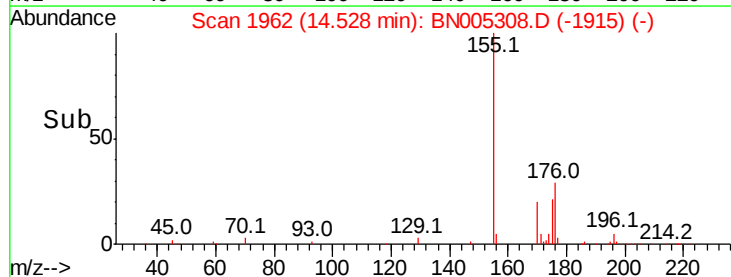
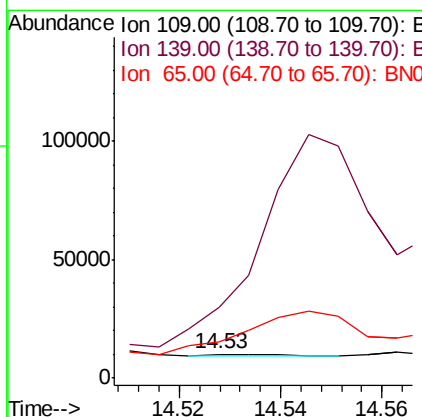
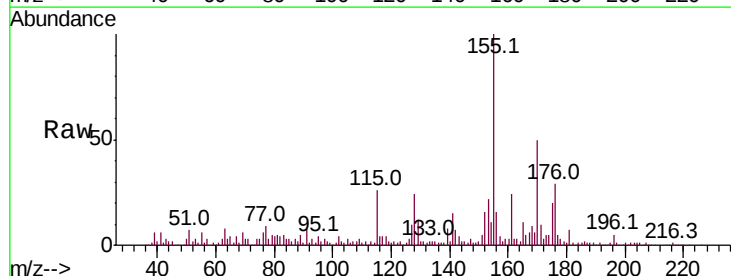
Instrument :
BNA_N
ClientSampleId :

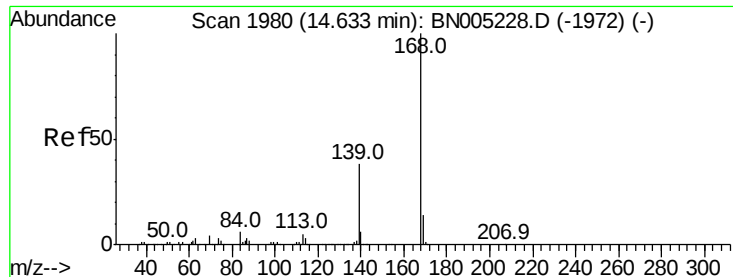
Tot Ion:184 Resp: 13237
Ion Ratio Lower Upper
184 100
63 198.1 59.8 89.8#
154 151.9 56.3 84.5#



#52
4-Nitrophenol
Concen: 23.484 ng/ul
RT: 14.53 min Scan# 1962
Delta R.T. 0.08 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion:109 Resp: 840
Ion Ratio Lower Upper
109 100
139 293.7 92.3 138.5#
65 149.7 97.5 146.3#

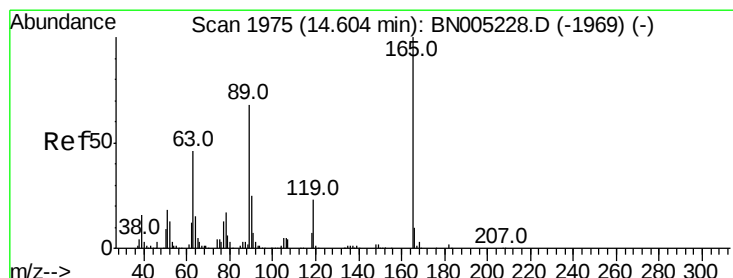
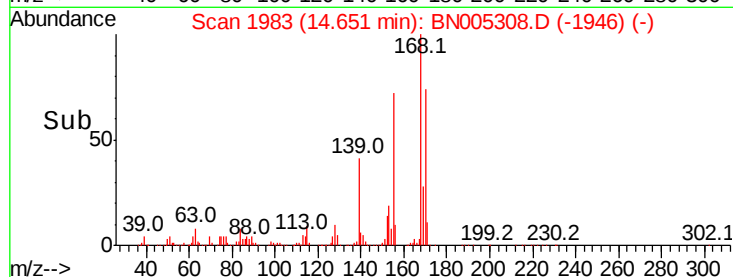
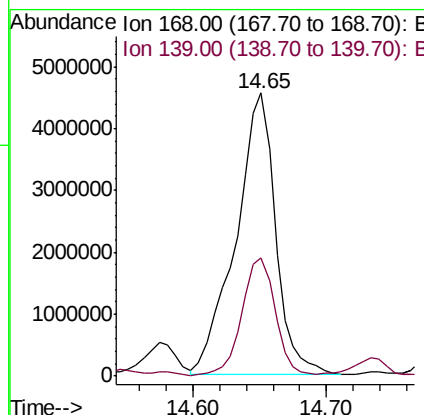
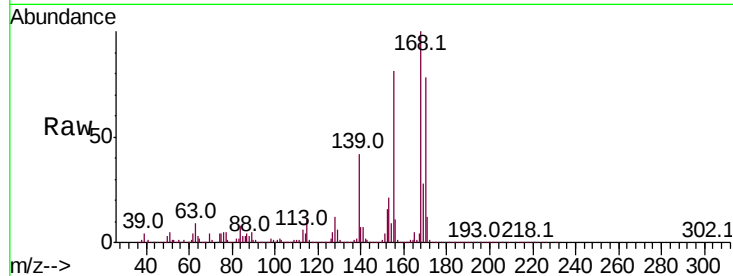




#53
 Dibenzofuran
 Concen: 31902.786 ng/ul
 RT: 14.65 min Scan# 1983
 Delta R.T. 0.02 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

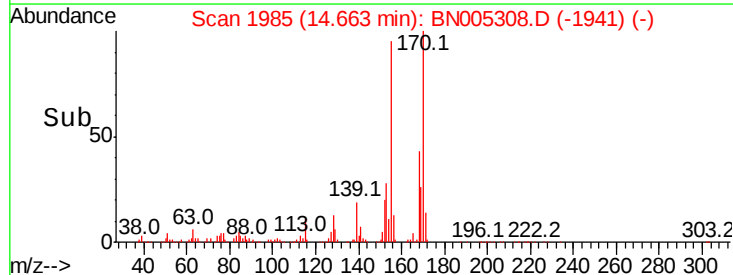
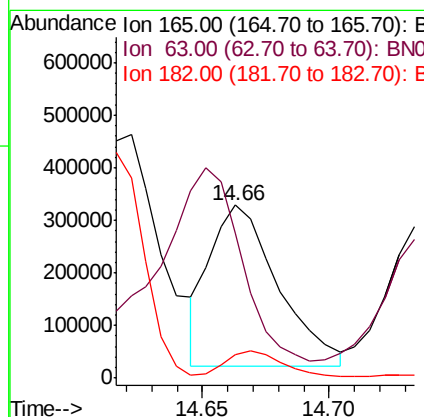
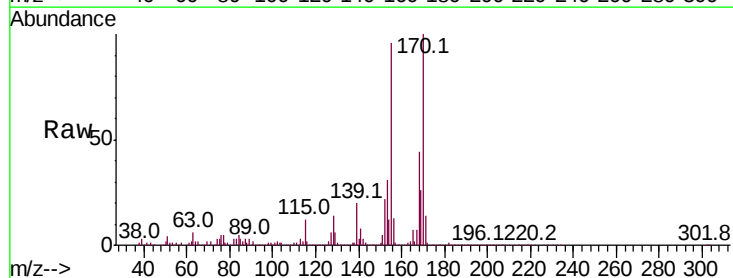
Instrument :
 BNA_N
 ClientSampleId :

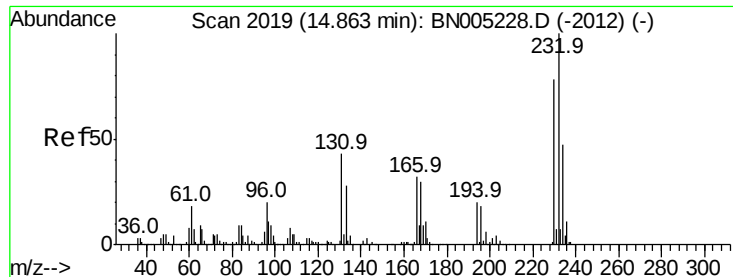
Tot Ion:168 Resp: 9446120
 Ion Ratio Lower Upper
 168 100
 139 41.8 30.9 46.3



#54
 2,4-Dinitrotoluene
 Concen: 9205.635 ng/ul
 RT: 14.66 min Scan# 1985
 Delta R.T. 0.06 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

Tgt Ion:165 Resp: 569833
 Ion Ratio Lower Upper
 165 100
 63 83.8 38.9 58.3#
 182 13.7 2.6 3.8#





#55

2,3,4,6-Tetrachlorophenol

Concen: 9.433 ng/u1

RT: 14.95 min Scan# 2033

Delta R.T. 0.08 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

Tot Ion:232 Resp: 541

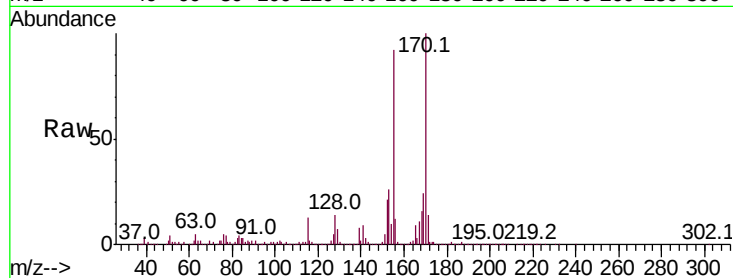
Ion Ratio Lower Upper

232 100

131 1847.6 36.6 54.8#

130 5221.1 2.0 3.0#

166 15398.5 26.6 39.8#

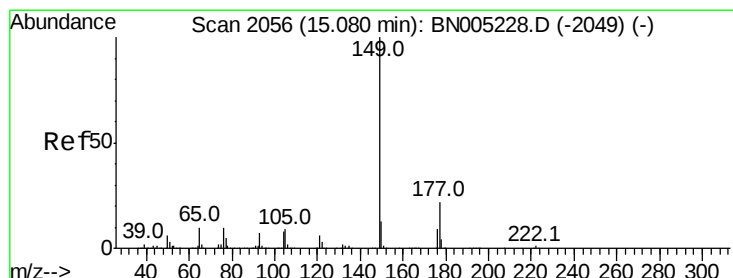
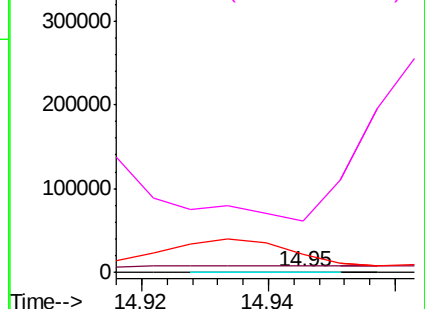
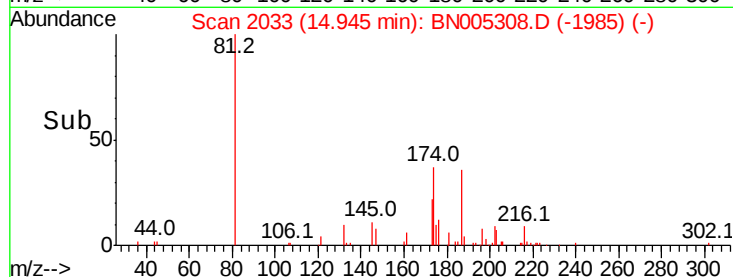


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#56

Diethylphthalate

Concen: 206.796 ng/u1

RT: 15.13 min Scan# 2065

Delta R.T. 0.06 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

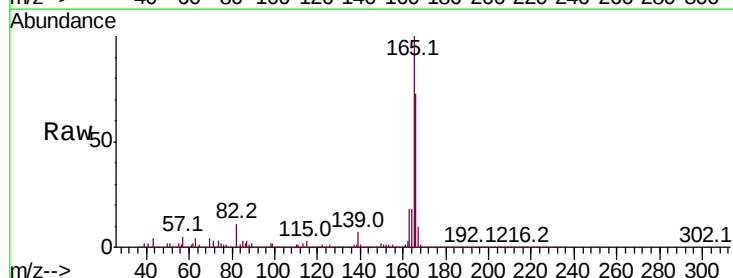
Tgt Ion:149 Resp: 51565

Ion Ratio Lower Upper

149 100

177 8.8 17.7 26.5#

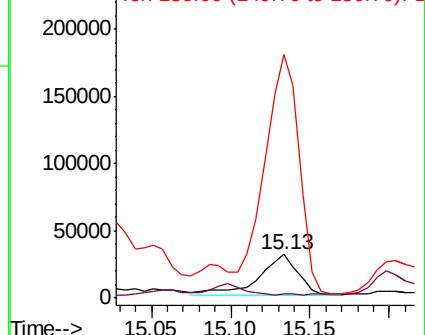
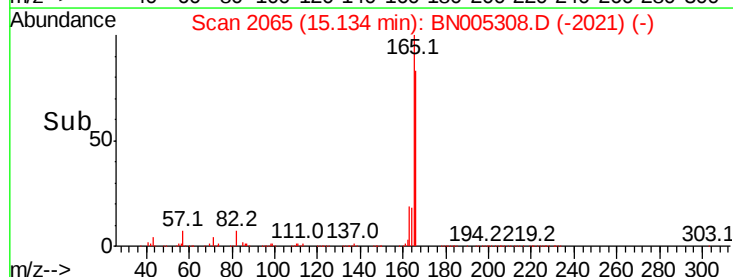
150 558.0 10.0 15.0#

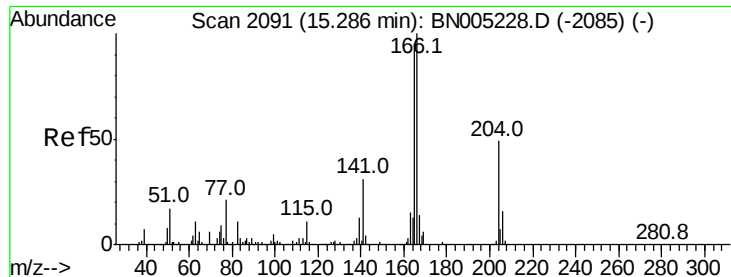


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 382.390 ng/ul

RT: 15.40 min Scan# 2111

Delta R.T. 0.12 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

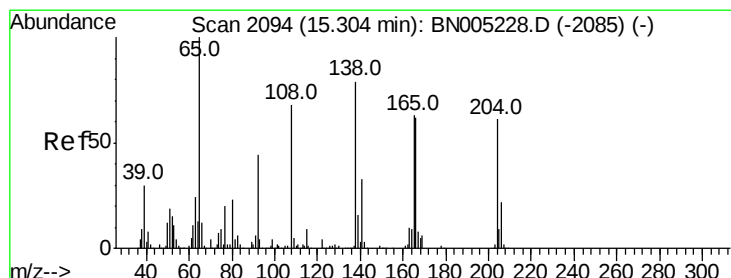
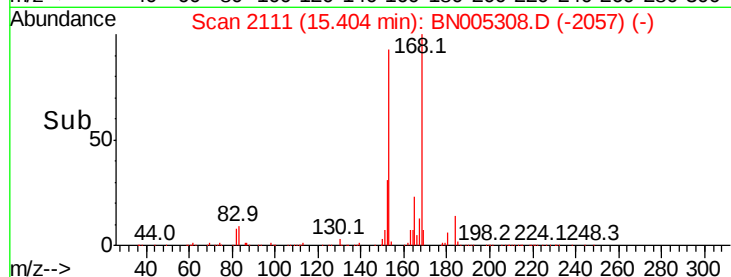
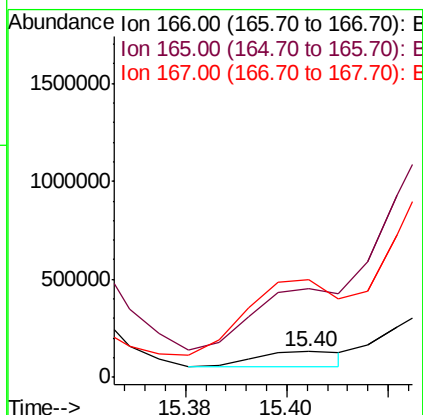
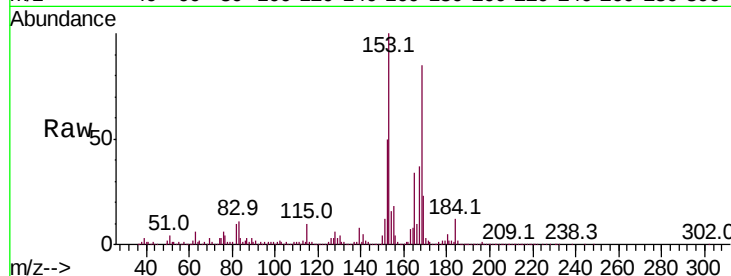
Tot Ion:166 Resp: 88349

Ion Ratio Lower Upper

166 100

165 350.5 80.0 120.0#

167 382.5 10.7 16.1#



#60

4-Nitroaniline

Concen: 119.180 ng/ul

RT: 15.40 min Scan# 2110

Delta R.T. 0.09 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

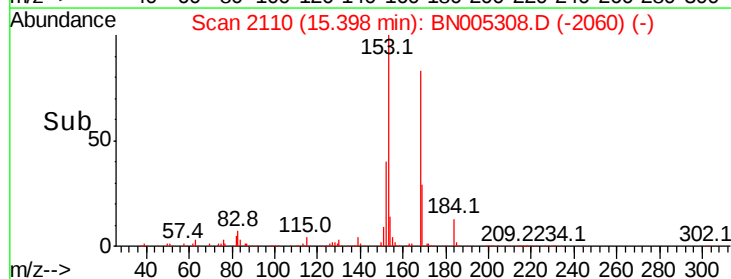
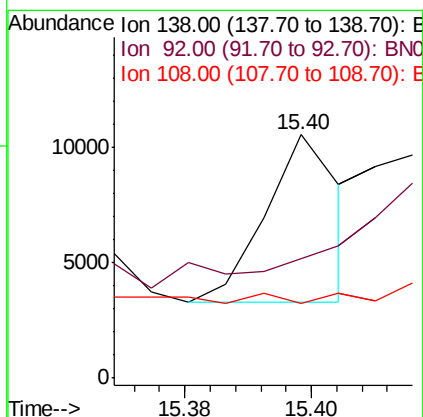
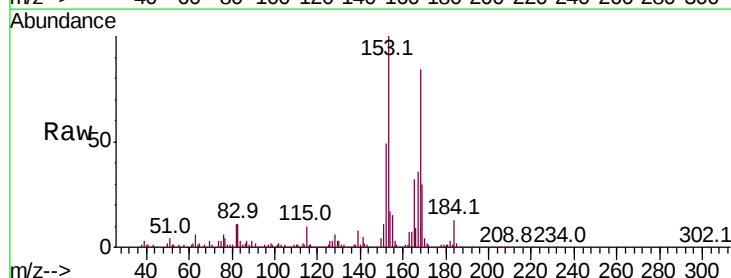
Tgt Ion:138 Resp: 5931

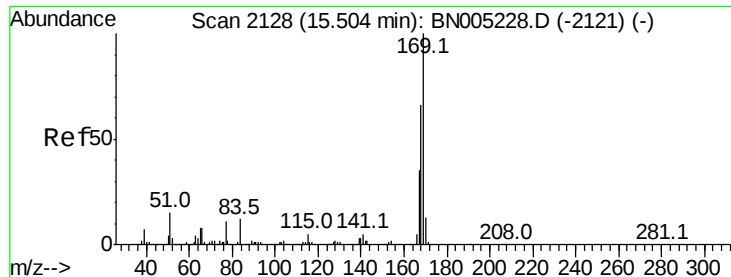
Ion Ratio Lower Upper

138 100

92 48.9 45.3 67.9

108 30.8 73.2 109.8#





#64

N-Nitrosodiphenylamine

Concen: 12.444 ng/ul

RT: 15.63 min Scan# 2149

Delta R.T. 0.12 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

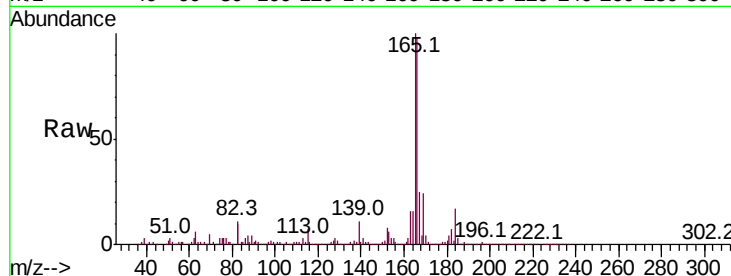
Tot Ion:169 Resp: 602493

Ion Ratio Lower Upper

169 100

168 15.8 52.2 78.2#

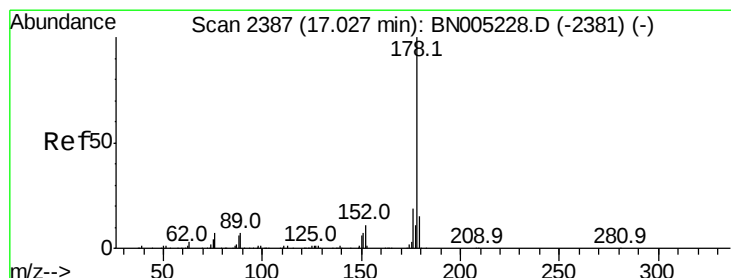
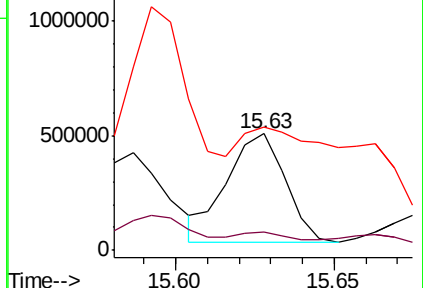
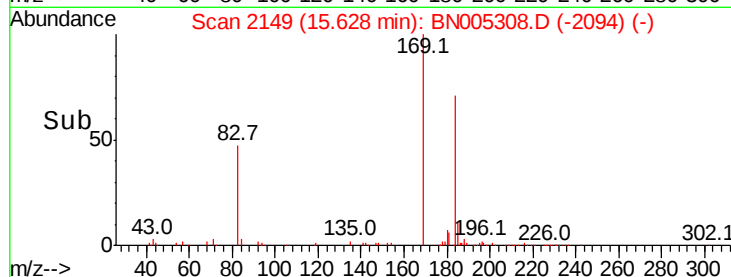
167 105.1 27.7 41.5#



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: 45.302 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.12 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

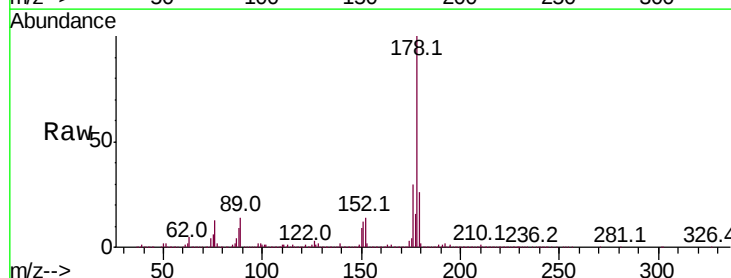
Tgt Ion:178 Resp: 3902745

Ion Ratio Lower Upper

178 100

179 26.0 12.2 18.4#

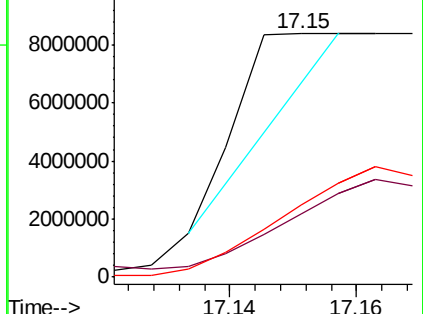
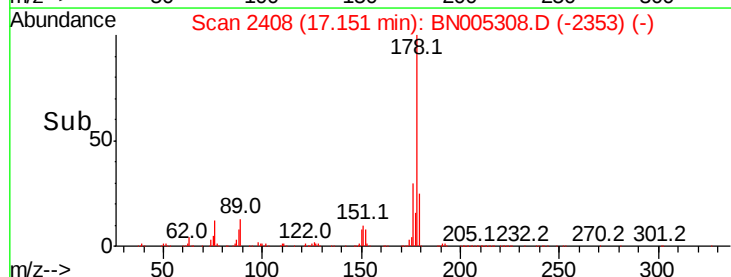
176 29.6 15.1 22.7#

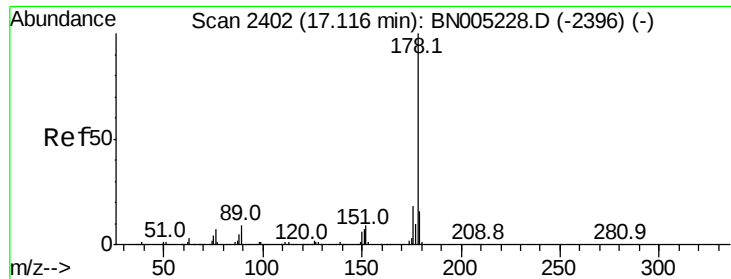


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

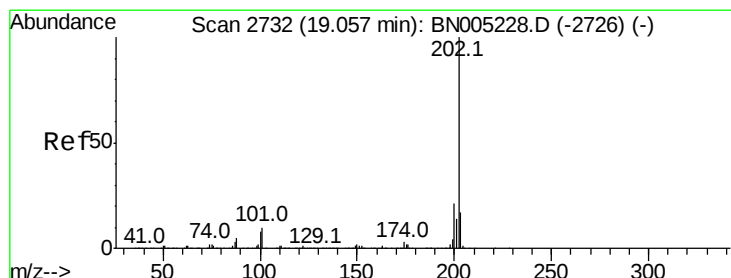
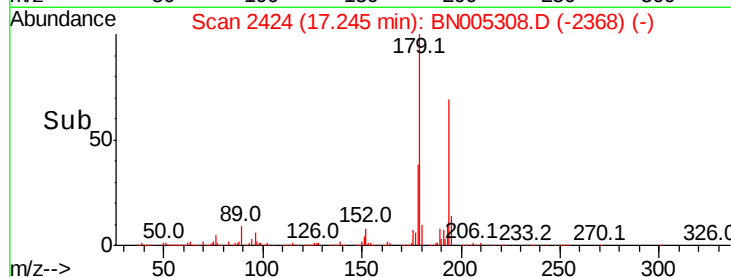
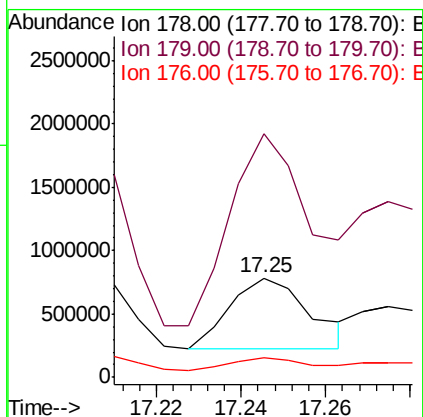
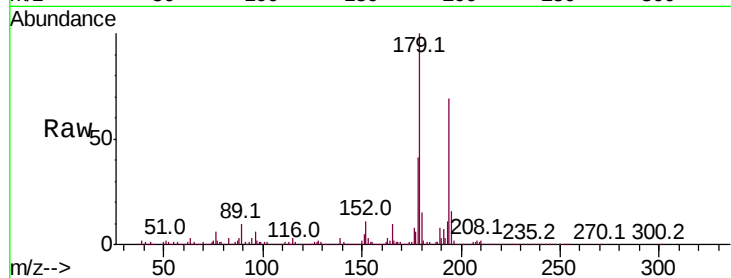




#71
 Anthracene
 Concen: 8.340 ng/ul
 RT: 17.25 min Scan# 2424
 Delta R.T. 0.13 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

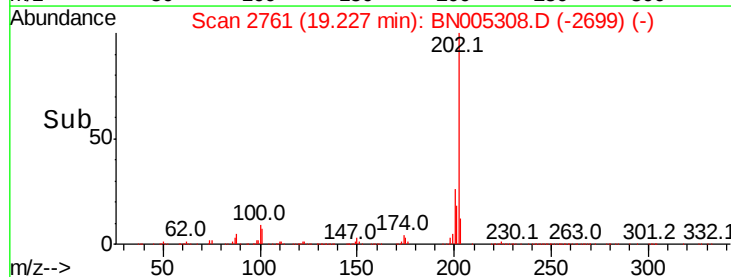
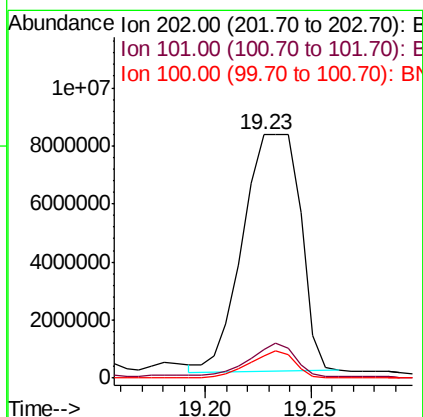
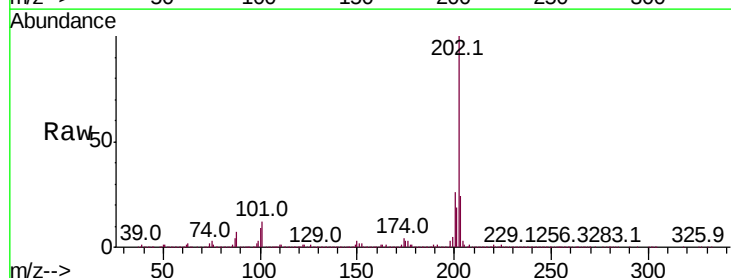
Instrument :
 BNA_N
 ClientSampled :

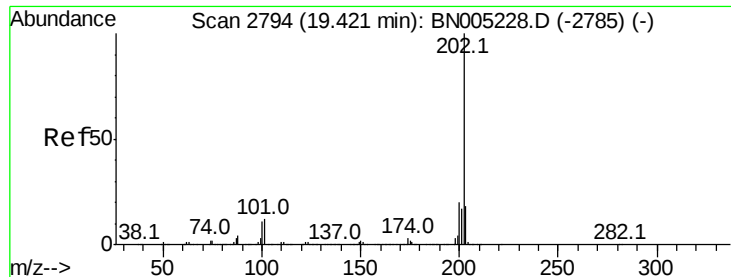
Tot Ion:178 Resp: 731906
 Ion Ratio Lower Upper
 178 100
 179 246.0 12.3 18.5#
 176 20.0 15.1 22.7



#76
 Fluoranthene
 Concen: 161.827 ng/ul
 RT: 19.23 min Scan# 2761
 Delta R.T. 0.17 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

Tgt Ion:202 Resp:15463738
 Ion Ratio Lower Upper
 202 100
 101 11.8 8.6 12.8
 100 9.4 6.3 9.5





#79

Pvrene

Concen: 22.072 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

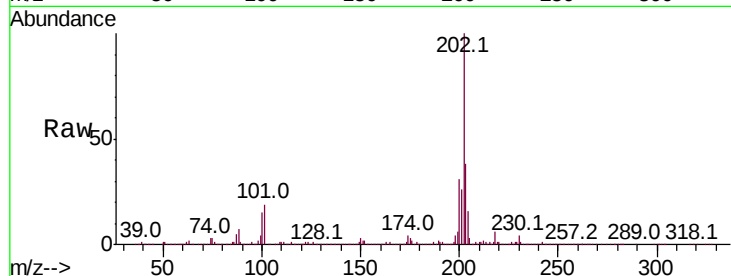
Tot Ion:202 Resp: 3517933

Ion Ratio Lower Upper

202 100

101 19.3 10.3 15.5#

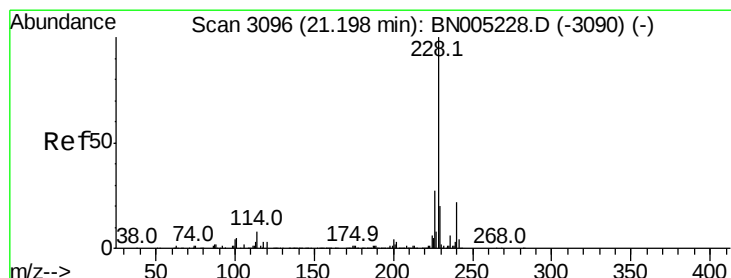
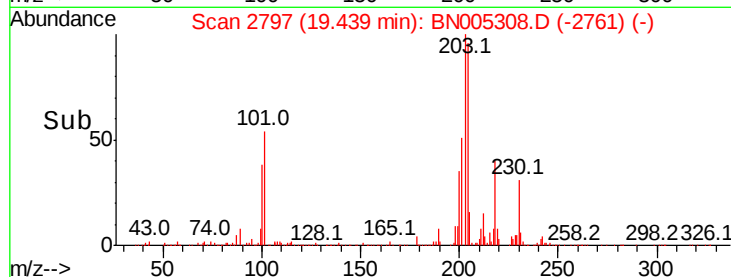
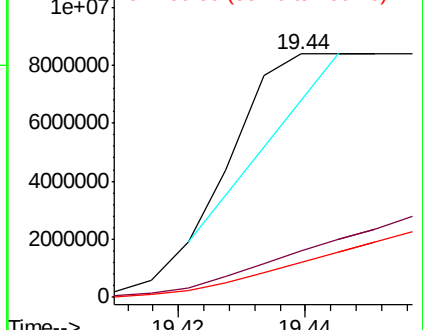
100 14.6 7.9 11.9#



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



#82

Benzo(a)anthracene

Concen: 101.138 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.05 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

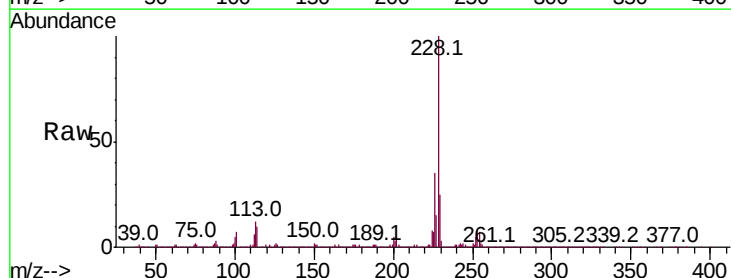
Tgt Ion:228 Resp:15574837

Ion Ratio Lower Upper

228 100

229 24.9 15.8 23.6#

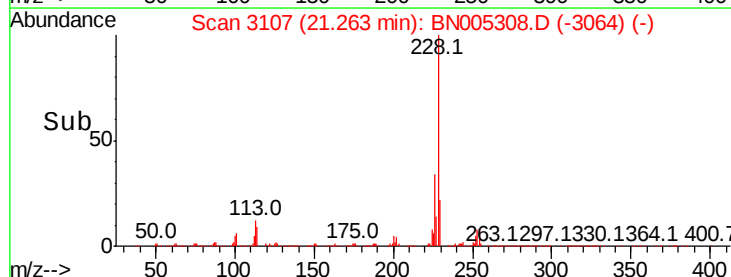
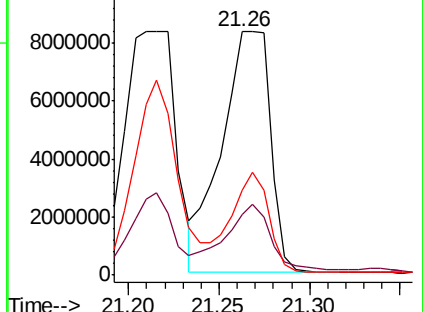
226 35.0 21.4 32.2#

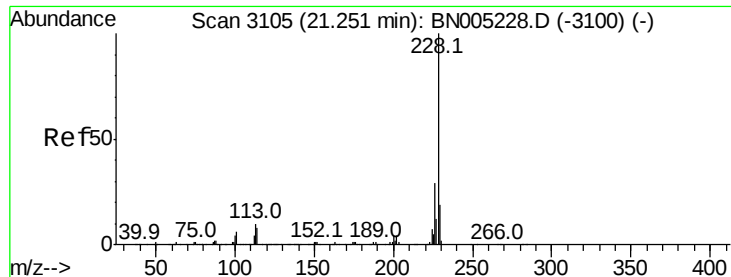


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 108.974 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

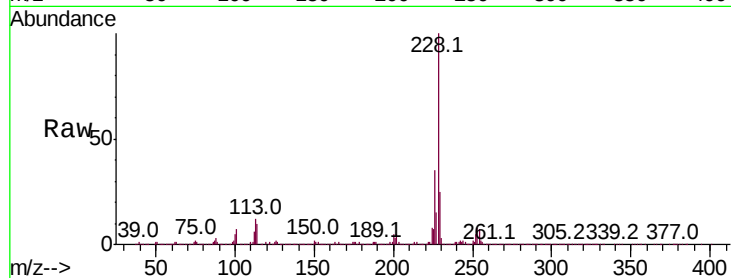
Tot Ion:228 Resp:15574837

Ion Ratio Lower Upper

228 100

226 35.0 24.0 36.0

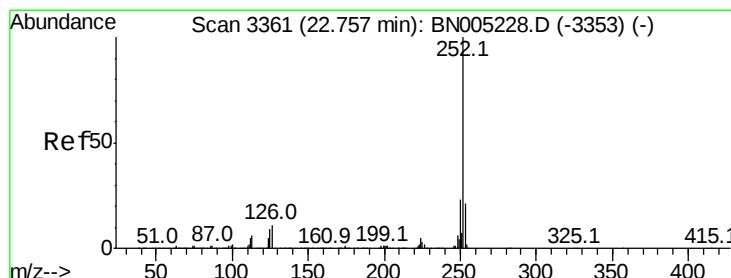
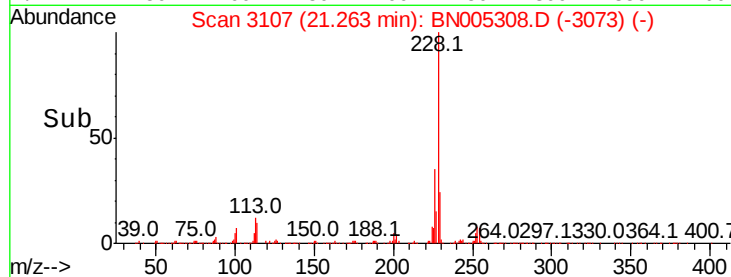
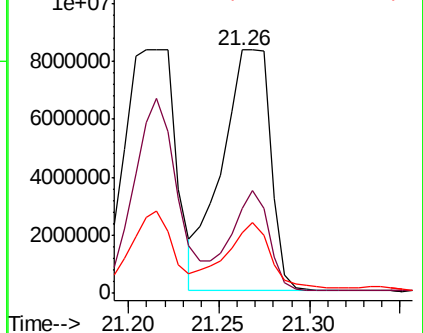
229 24.9 15.4 23.0#



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

Benzo(b)fluoranthene

Concen: 62.023 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

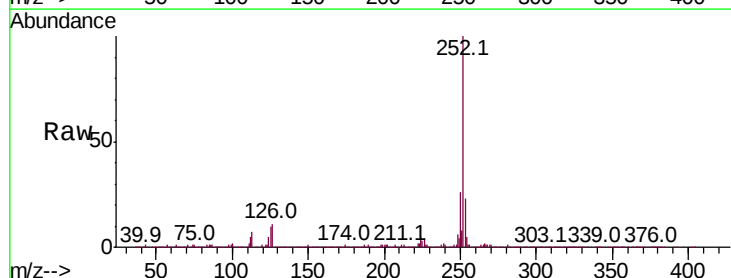
Tgt Ion:252 Resp: 9454294

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

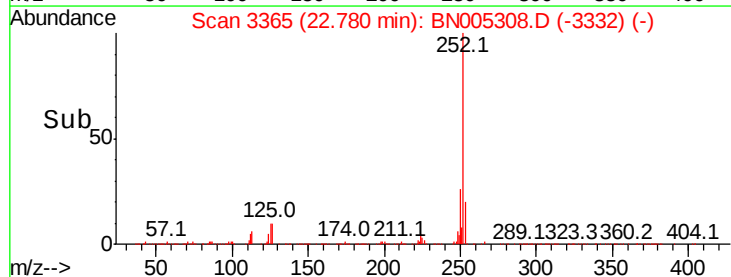
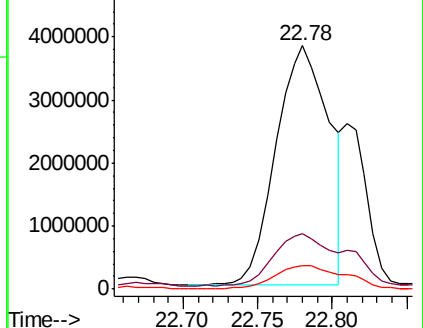
125 9.9 8.4 12.6

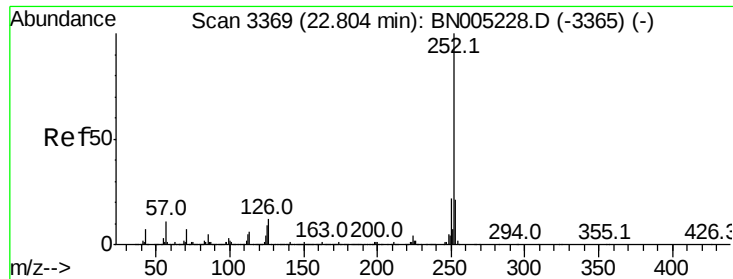


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 64.942 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.05 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

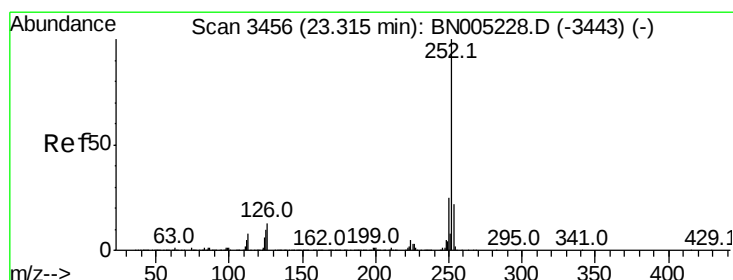
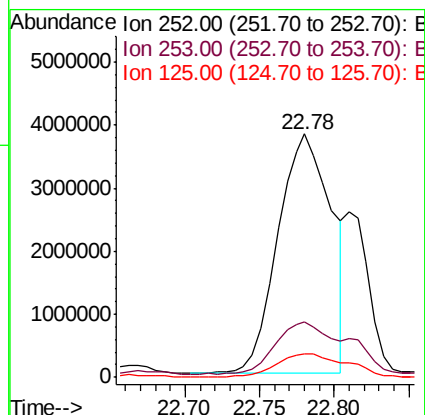
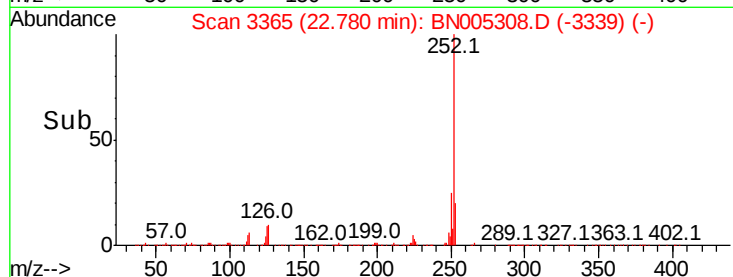
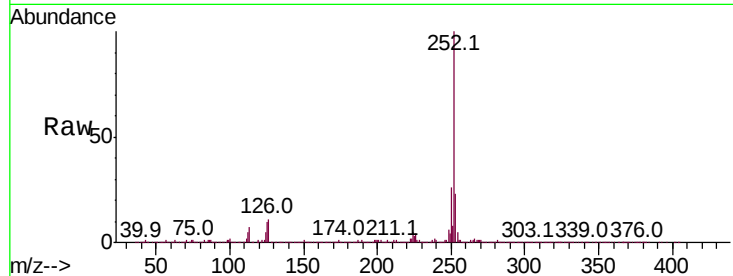
Tot Ion:252 Resp: 9454294

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 9.9 7.5 11.3



#90

Benzo(a)pyrene

Concen: 74.373 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

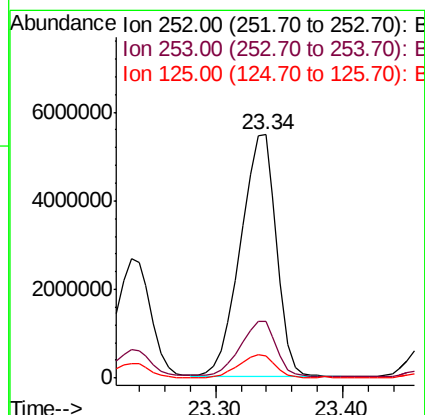
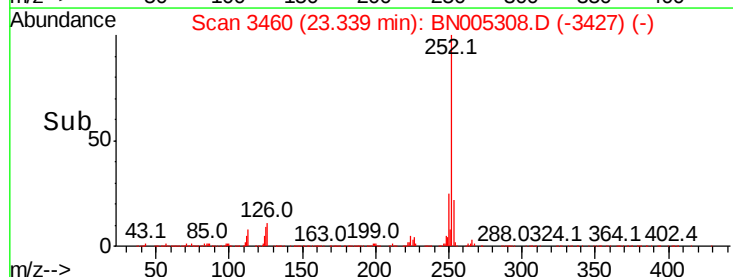
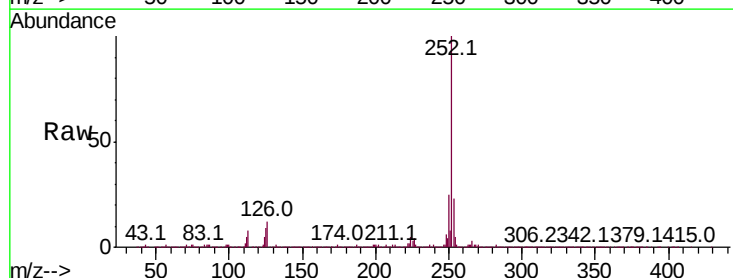
Tgt Ion:252 Resp:10656041

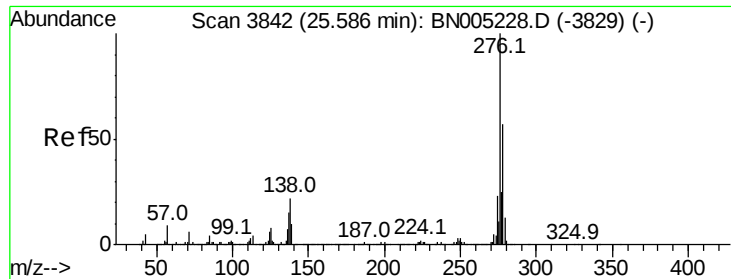
Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 9.1 8.6 13.0



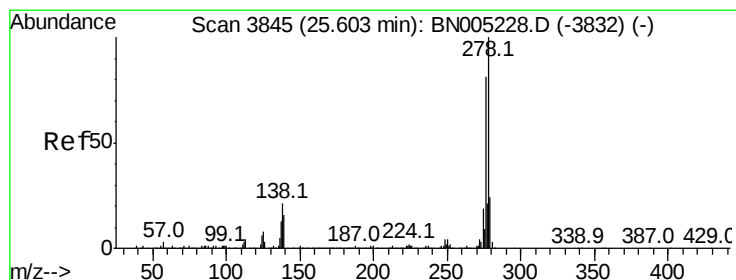
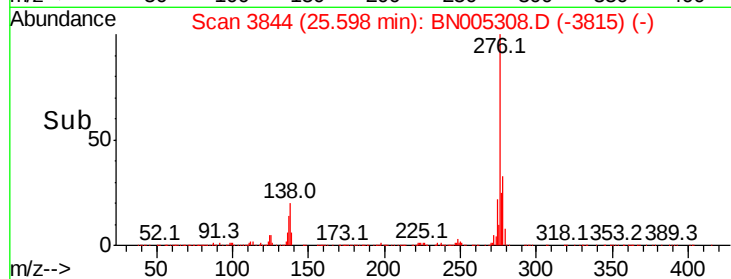
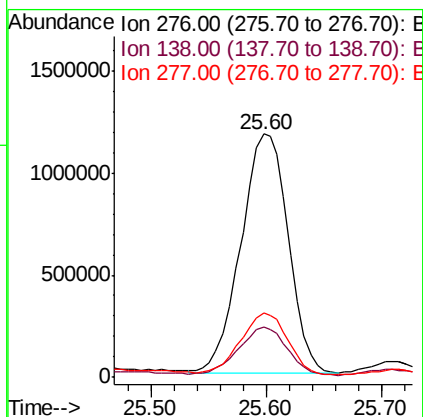
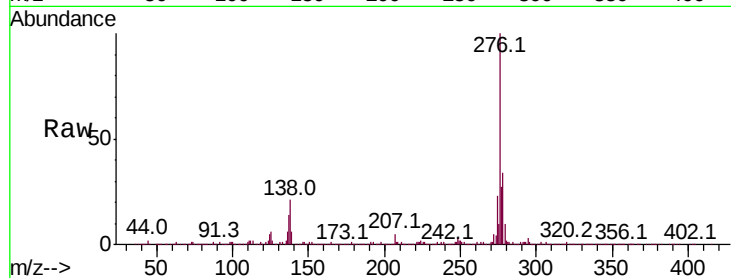


#91

Indeno(1,2,3-cd)pyrene
Concen: 20.970 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.03 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Instrument :
BNA_N
ClientSampleId :

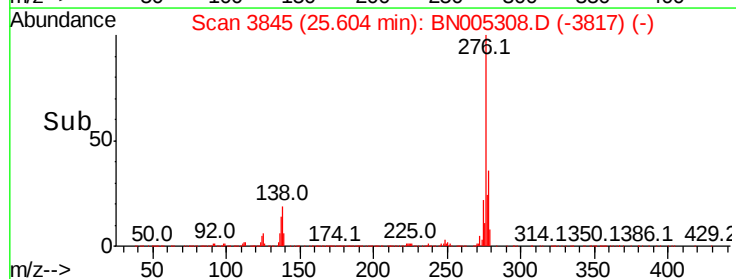
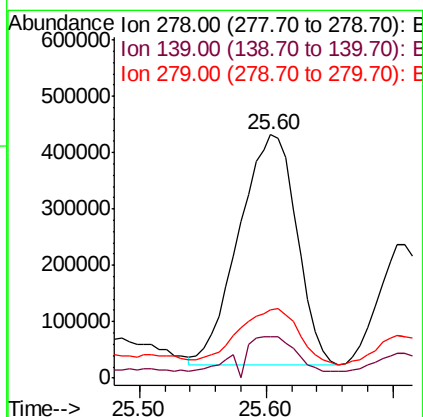
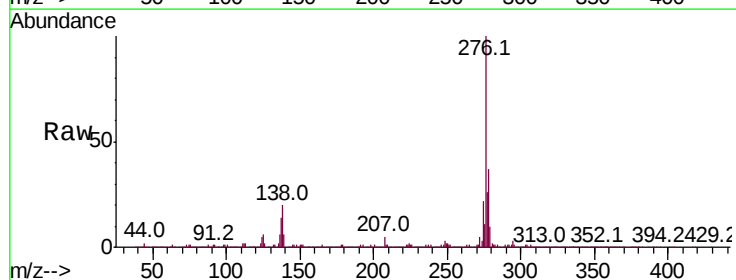
Tot Ion:276 Resp: 3321909
Ion Ratio Lower Upper
276 100
138 26.9 17.9 26.9#
277 26.5 19.7 29.5

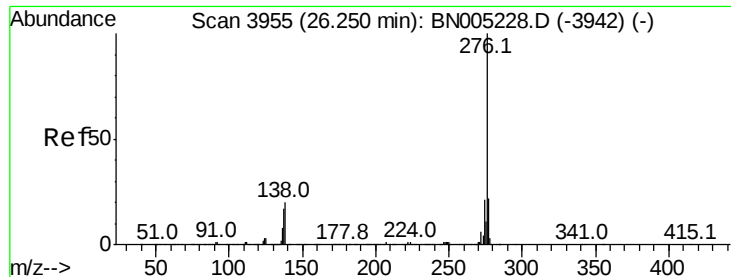


#92

Dibenzo(a,h)anthracene
Concen: 9.614 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.03 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion:278 Resp: 1292494
Ion Ratio Lower Upper
278 100
139 17.2 13.1 19.7
279 28.1 19.4 29.0





#93

Benzo(a,h,i)perylene

Concen: 21.572 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.02 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 2825542

Ion Ratio Lower Upper

276 100

138 20.0 16.7 25.1

277 24.9 18.2 27.2

