

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\
 Data File : BN005752.D
 Acq On : 18 May 2019 14:43
 Operator : JU/SJ
 Sample : K2690-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5112

Quant Time: May 20 04:11:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 20 03:44:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	89973	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	415778	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.21	164	294507	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	751144	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	808967	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	943066	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	6926	4.31	ng/uL	0.00
5) Phenol-d5	6.76	99	189409	27.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	97470	26.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	153317	27.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	160278	26.96	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	83017	27.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	97927	28.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	188859	28.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	218056	29.52	ng/ul	0.00
43) Dimethylphthalate-d6	13.63	166	663171	29.26	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	777815	28.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	100275	31.41	ng/ul	0.00
57) Fluorene-d10	15.22	176	554725	28.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	115436	25.57	ng/ul	0.00
70) Anthracene-d10	17.07	188	916936	28.26	ng/ul	0.00
78) Pyrene-d10	19.39	212	1139168	28.58	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	1242830	29.38	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.22	88	38293	22.634	ng/uL 92
4) Benzaldehyde	6.73	77	165749	32.930	ng/ul 98
6) Phenol	6.79	94	266224	37.560	ng/ul 97
10) 2-Chlorophenol	7.15	128	138770	24.509	ng/ul 92
15) N-Nitroso-di-n-propylamine	8.37	70	131733	28.655	ng/ul# 92
20) Nitrobenzene	8.76	77	151604	21.730	ng/ul 94
23) 2-Nitrophenol	9.47	139	87303	24.062	ng/ul 98
27) 2,4-Dichlorophenol	10.00	162	168459	26.324	ng/ul 96
28) Naphthalene	10.38	128	347042	17.473	ng/ul 98
31) Hexachlorobutadiene	10.66	225	116584	24.976	ng/ul 95
33) 4-Chloro-3-methylphenol	11.64	107	311481	43.031	ng/ul 96
36) 1,2,4,5-Tetrachlorobenzene	12.39	216	192794	20.333	ng/ul# 95
38) 2,4,6-Trichlorophenol	12.64	196	216955	36.964	ng/ul 99
40) 1,1'-Biphenyl	13.04	154	576617	26.926	ng/ul# 96
41) 2-Chloronaphthalene	13.08	162	283582	16.765	ng/ul 96
44) Dimethylphthalate	13.68	163	641062	28.693	ng/ul 99
45) 2,6-Dinitrotoluene	13.81	165	118626	25.197	ng/ul 90
49) Acenaphthene	14.27	153	401138	22.330	ng/ul 99
52) 4-Nitrophenol	14.47	109	83906	28.143	ng/ul 93
53) Dibenzofuran	14.62	168	499691	18.748	ng/ul 100
55) 2,3,4,6-Tetrachlorophenol	14.86	232	136782	23.892	ng/ul 93
59) 4-Chlorophenyl-phenylether	15.27	204	202652	17.135	ng/ul 97
63) 4,6-Dinitro-2-methylphenol	15.39	198	197901	43.757	ng/ul# 89

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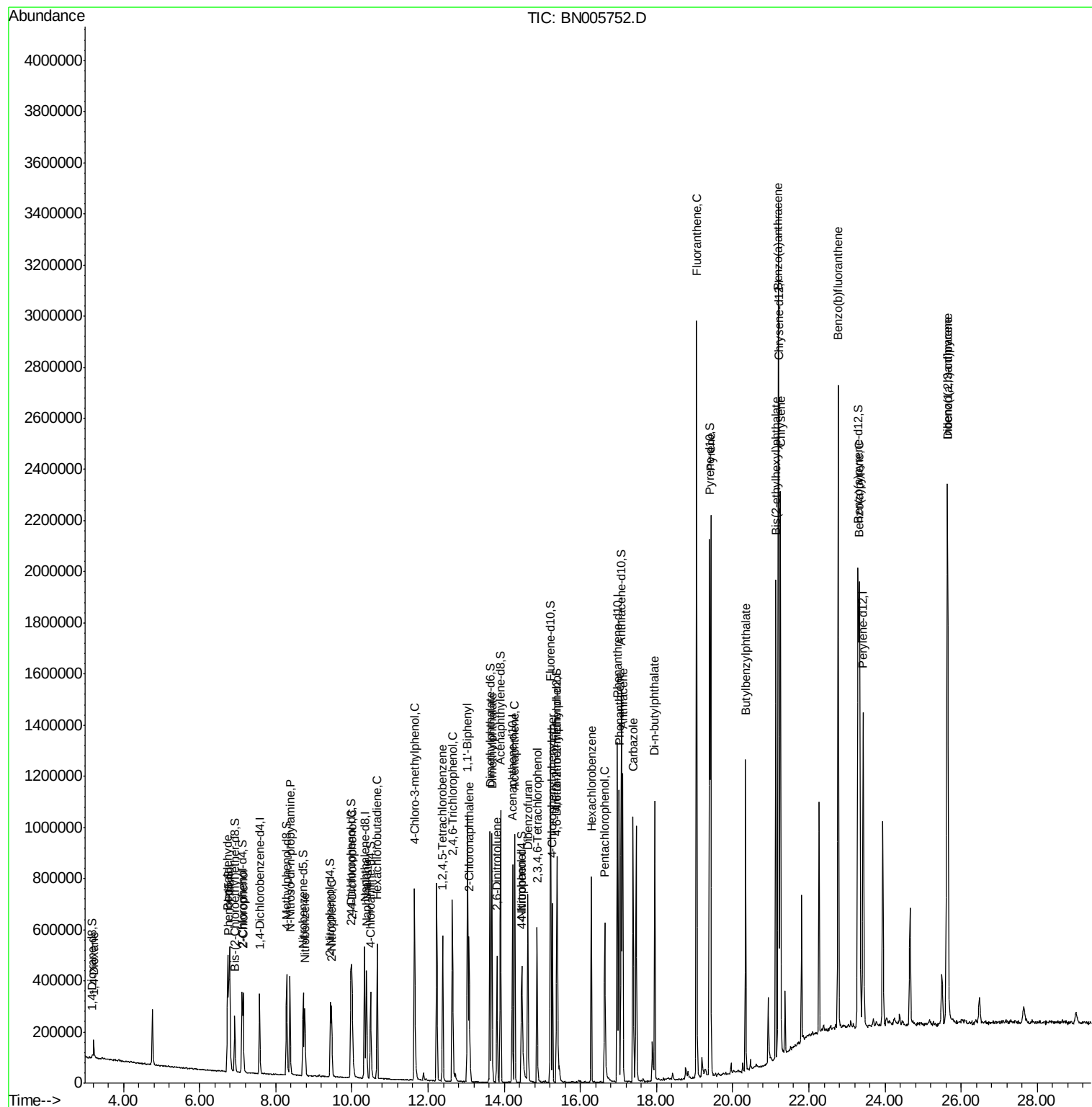
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Hexachlorobenzene	16.29	284	181036	20.516	ng/ul#	91
68) Pentachlorophenol	16.64	266	156385	38.412	ng/ul	96
69) Phenanthrene	17.02	178	678710	18.228	ng/ul	99
71) Anthracene	17.11	178	775965	20.468	ng/ul	99
74) Carbazole	17.39	167	724173	21.666	ng/ul	99
75) Di-n-butylphthalate	17.95	149	736501	18.446	ng/ul	100
76) Fluoranthene	19.05	202	1897819	41.227	ng/ul#	93
79) Pyrene	19.42	202	1377911	27.737	ng/ul#	90
80) Butylbenzylphthalate	20.34	149	344311	16.918	ng/ul	92
82) Benzo(a)anthracene	21.20	228	1746362	34.266	ng/ul	100
83) Bis(2-ethylhexyl)phthalate	21.13	149	632078	21.889	ng/ul#	97
84) Chrysene	21.25	228	1199258	24.962	ng/ul	99
87) Benzo(b)fluoranthene	22.77	252	1301710	25.090	ng/ul#	96
90) Benzo(a)pyrene	23.33	252	1174872	23.386	ng/ul#	96
91) Indeno(1,2,3-cd)pyrene	25.64	276	1665952	27.123	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.64	278	1086323	21.010	ng/ul#	95

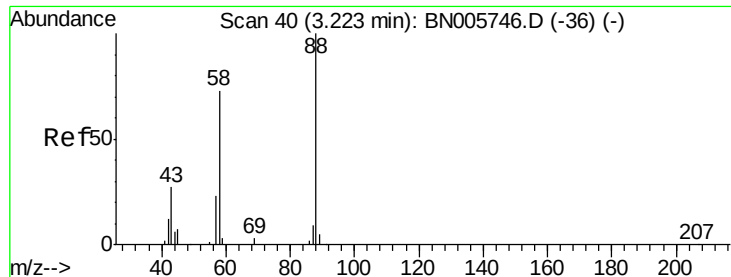
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 22.634 ng/uL

RT: 3.22 min Scan# 39

Delta R.T. -0.01 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

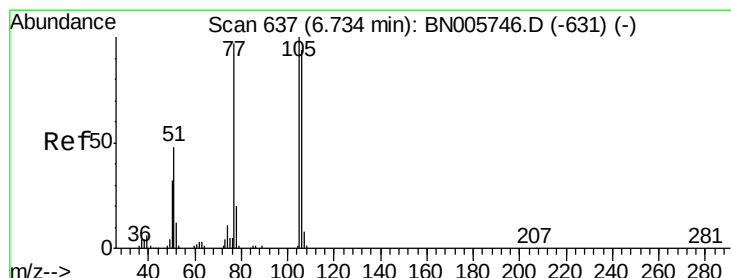
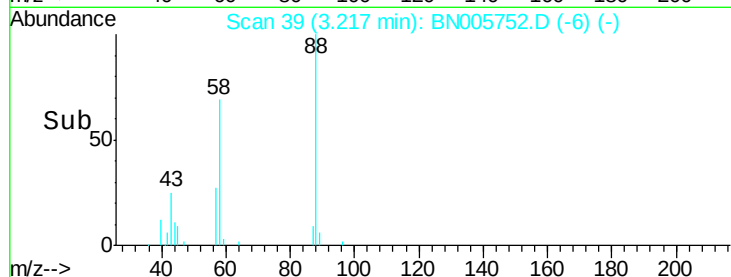
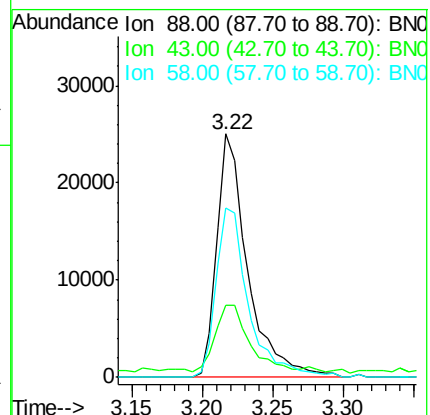
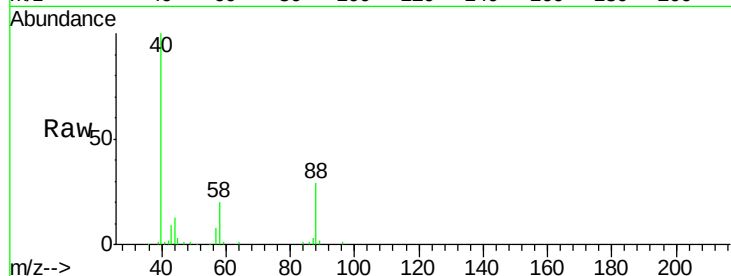
Tot Ion: 88 Resp: 38293

Ion Ratio Lower Upper

88 100

43 29.6 25.3 37.9

58 69.4 62.3 93.5



#4

Benzaldehyde

Concen: 32.930 ng/uL

RT: 6.73 min Scan# 637

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

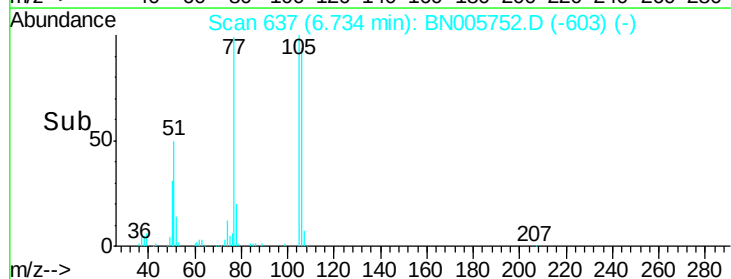
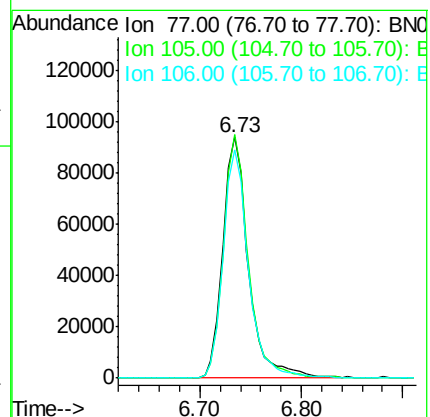
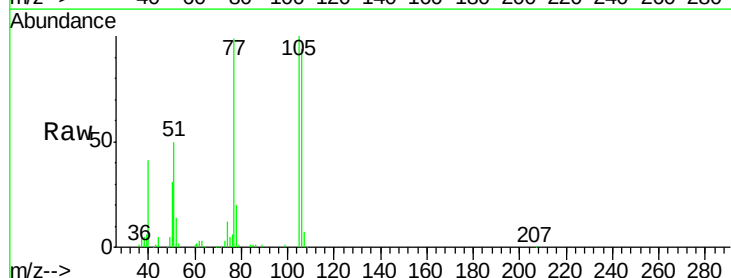
Tgt Ion: 77 Resp: 165749

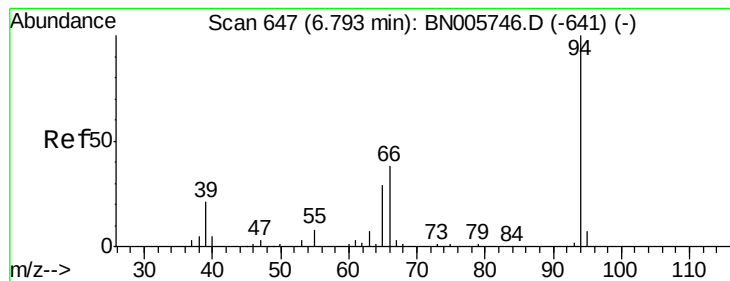
Ion Ratio Lower Upper

77 100

105 101.1 77.4 116.2

106 94.8 76.3 114.5





#6

Phenol

Concen: 37.560 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

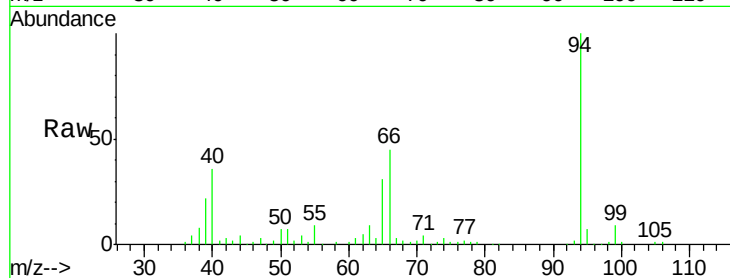
Tot Ion: 94 Resp: 266224

Ion Ratio Lower Upper

94 100

65 31.2 24.2 36.4

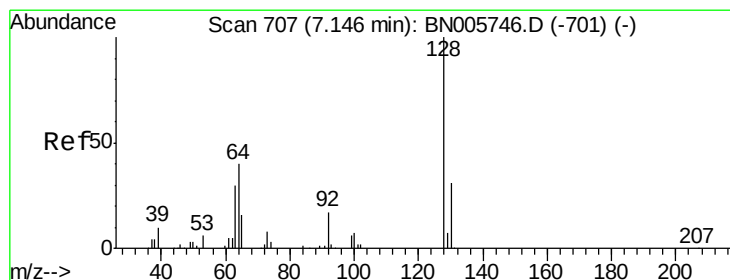
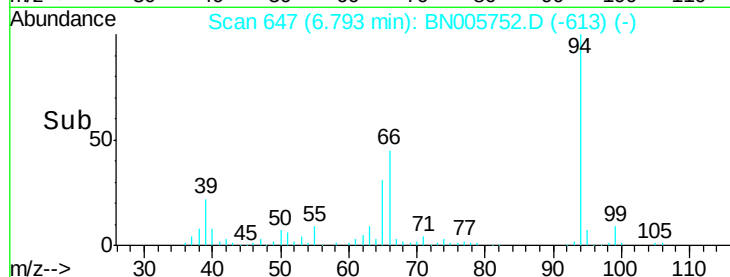
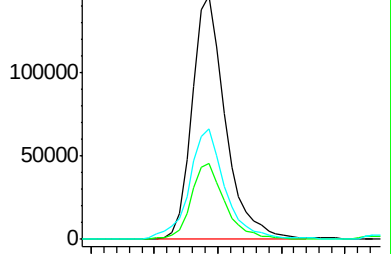
66 45.1 33.8 50.6



Abundance Ion 94.00 (93.70 to 94.70): BN005746.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BN005746.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BN005746.D (-641) (-)



#10

2-Chlorophenol

Concen: 24.509 ng/ul

RT: 7.15 min Scan# 707

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

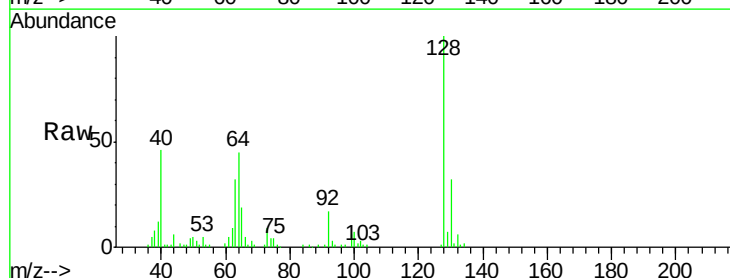
Tgt Ion: 128 Resp: 138770

Ion Ratio Lower Upper

128 100

64 44.7 42.3 63.5

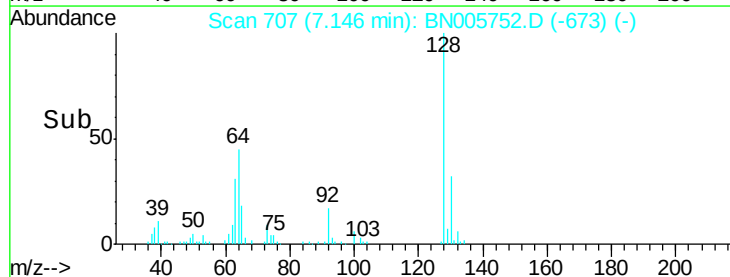
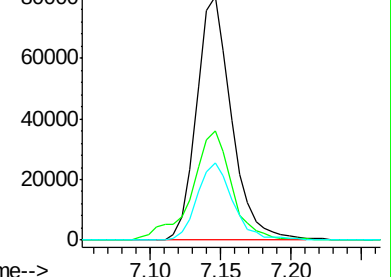
130 31.8 26.5 39.7

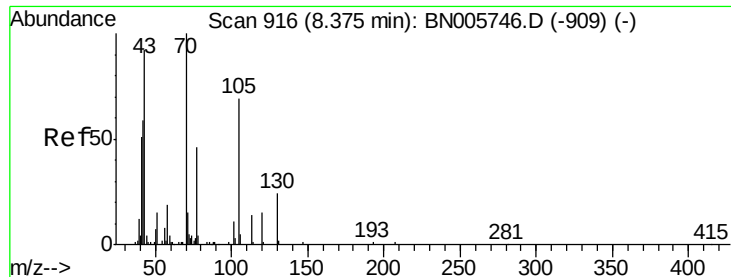


Abundance Ion 128.00 (127.70 to 128.70): BN005746.D (-701) (-)

Ion 64.00 (63.70 to 64.70): BN005746.D (-701) (-)

Ion 130.00 (129.70 to 130.70): BN005746.D (-701) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 28.655 ng/ul

RT: 8.37 min Scan# 915

Delta R.T. -0.01 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

Tot Ion: 70 Resp: 131733

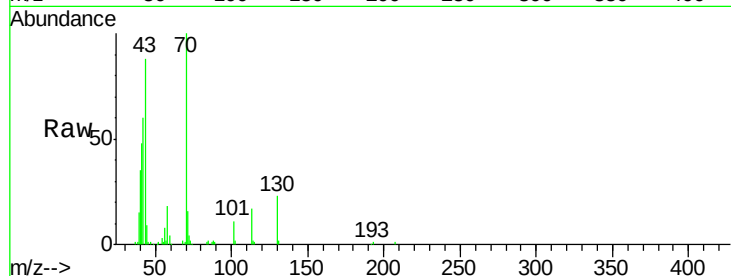
Ion Ratio Lower Upper

70 100

42 60.2 53.8 80.8

101 11.0 7.7 11.5

130 22.7 15.0 22.4#

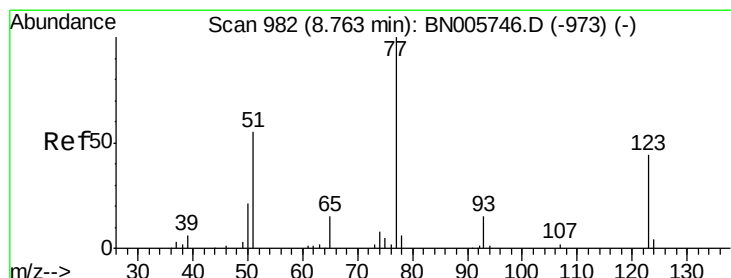
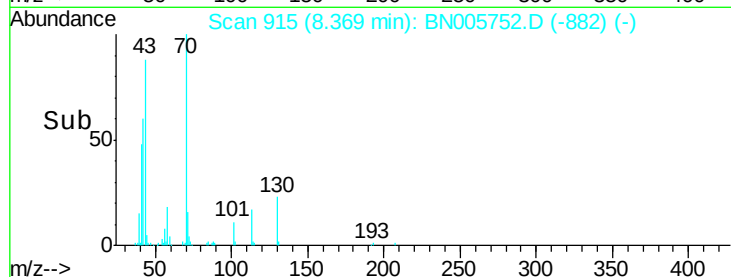
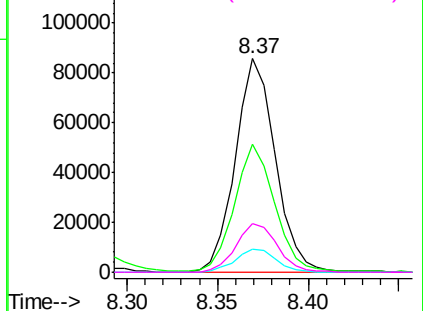


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): BN0

Ion 130.00 (129.70 to 130.70): BN0



#20

Nitrobenzene

Concen: 21.730 ng/ul

RT: 8.76 min Scan# 982

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

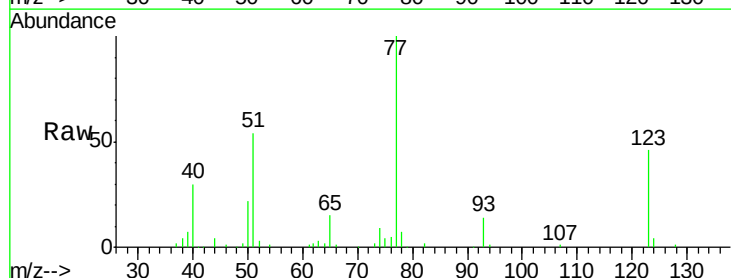
Tgt Ion: 77 Resp: 151604

Ion Ratio Lower Upper

77 100

123 45.6 32.6 49.0

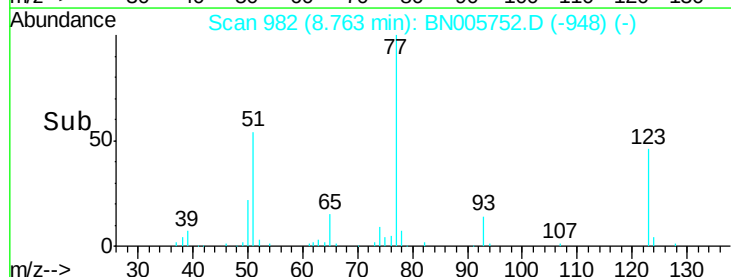
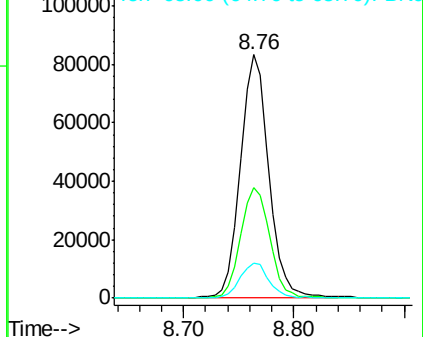
65 14.6 11.6 17.4

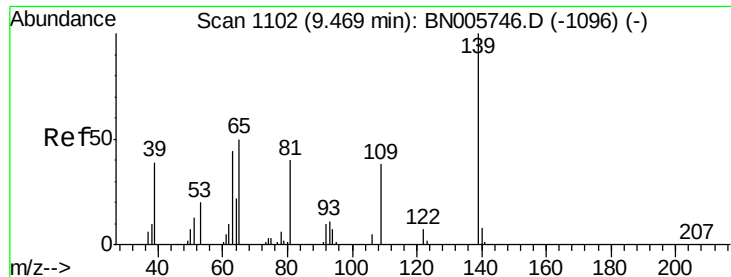


Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 123.00 (122.70 to 123.70): BN0

Ion 65.00 (64.70 to 65.70): BN0





#23

2-Nitrophenol

Concen: 24.062 ng/ul

RT: 9.47 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BN005752.D

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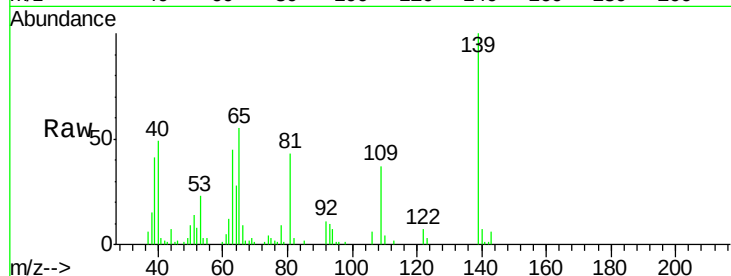
Tot Ion:139 Resp: 87303

Ion Ratio Lower Upper

139 100

65 55.3 44.2 66.4

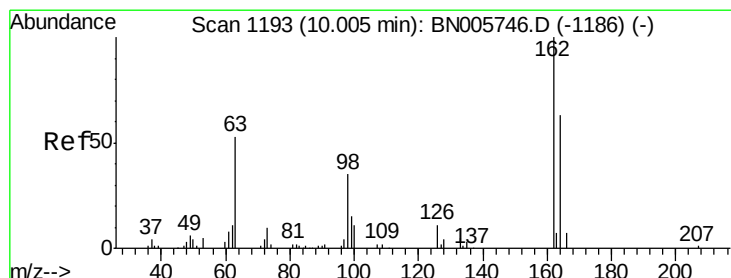
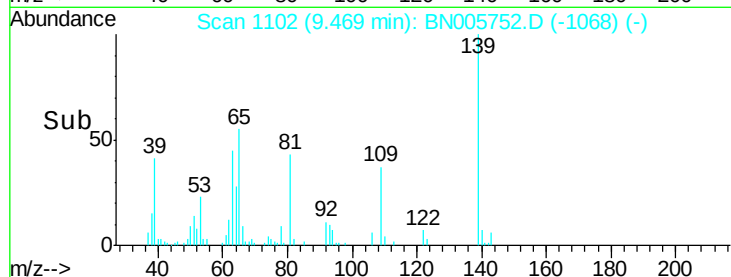
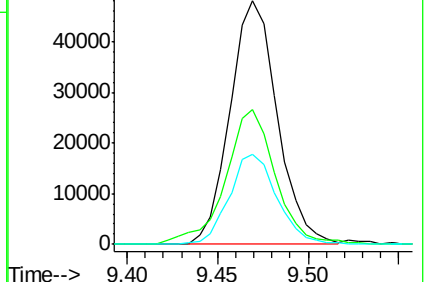
109 37.1 26.8 40.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO

Ion 109.00 (108.70 to 109.70): E



#27

2,4-Dichlorophenol

Concen: 26.324 ng/ul

RT: 10.00 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

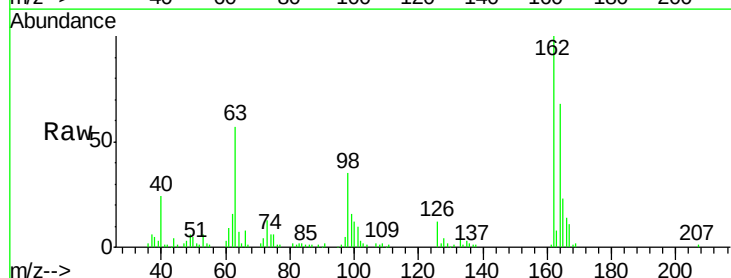
Tgt Ion:162 Resp: 168459

Ion Ratio Lower Upper

162 100

164 67.8 52.6 79.0

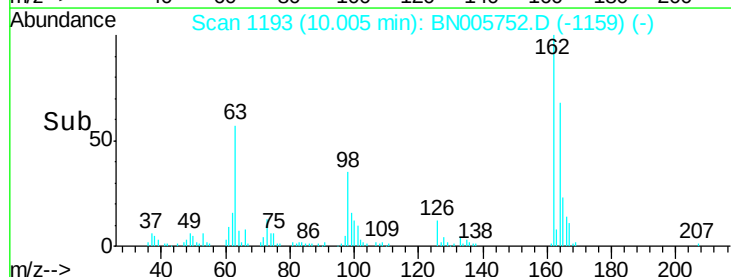
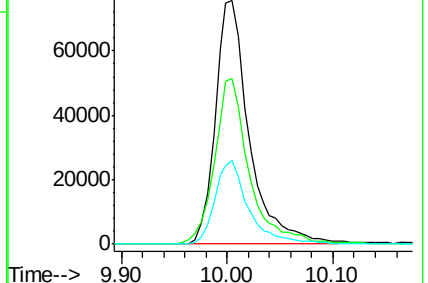
98 34.5 30.8 46.2

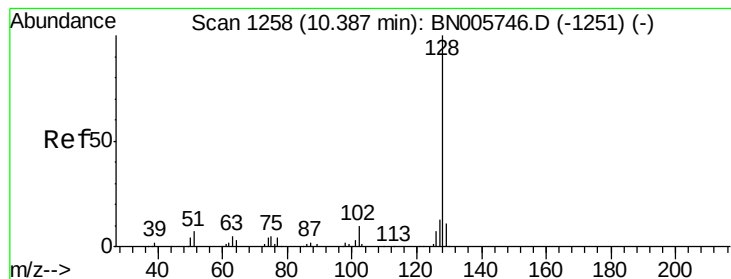


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNO





#28

Naphthalene

Concen: 17.473 ng/ul

RT: 10.38 min Scan# 1257

Delta R.T. -0.01 min

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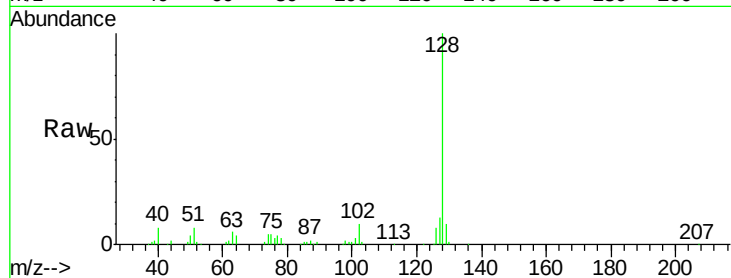
Tot Ion:128 Resp: 347042

Ion Ratio Lower Upper

128 100

129 10.4 9.2 13.8

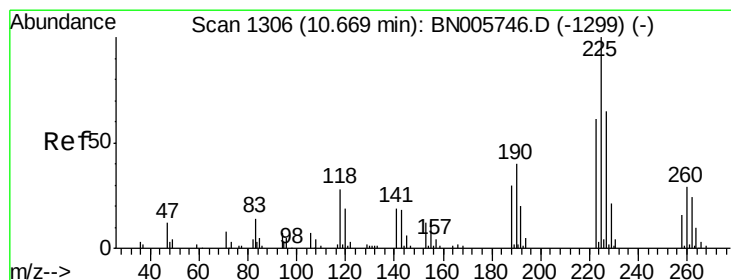
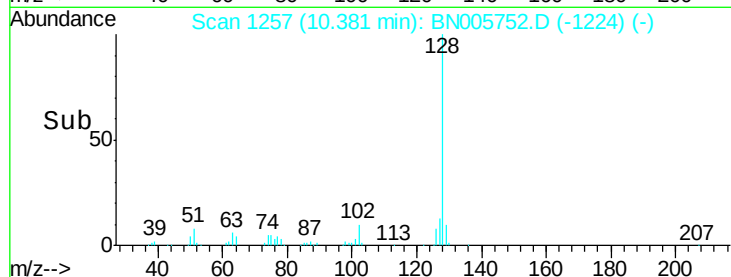
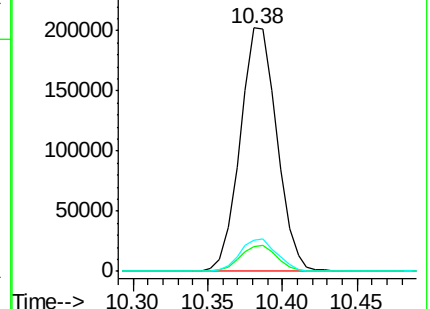
127 12.7 10.7 16.1



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



#31

Hexachlorobutadiene

Concen: 24.976 ng/ul

RT: 10.66 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

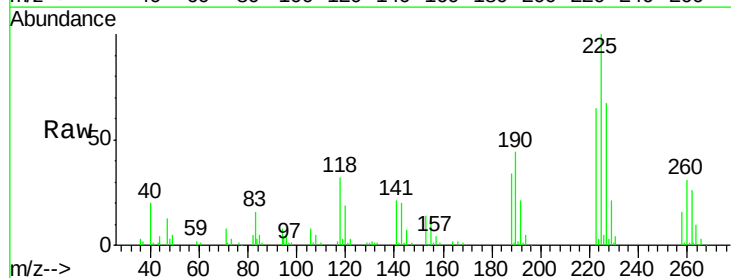
Tgt Ion:225 Resp: 116584

Ion Ratio Lower Upper

225 100

223 64.6 48.5 72.7

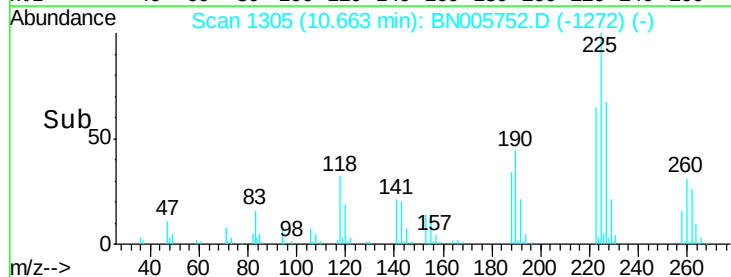
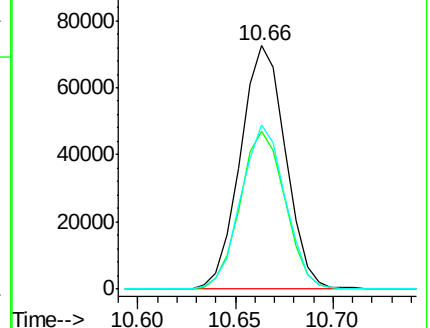
227 67.4 51.0 76.6

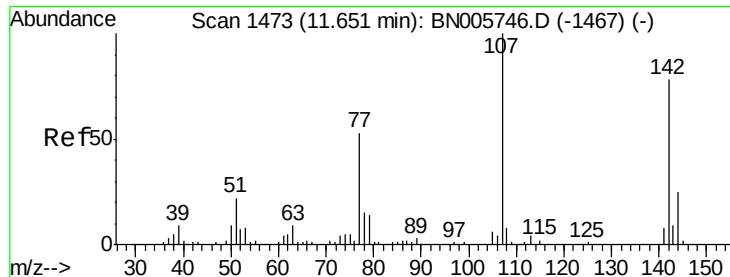


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

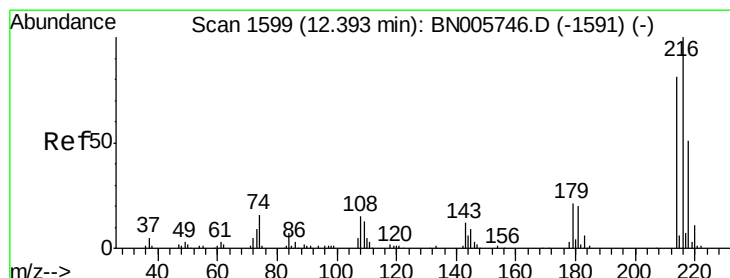
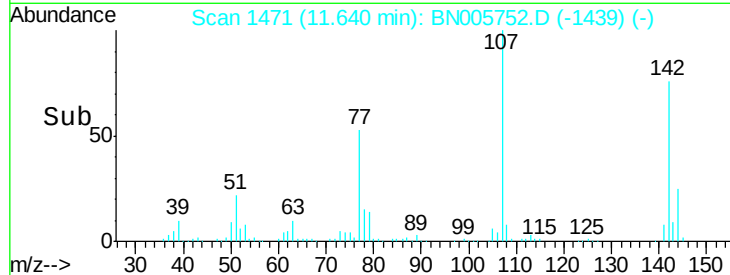
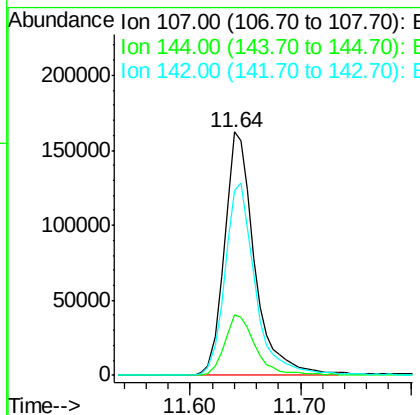
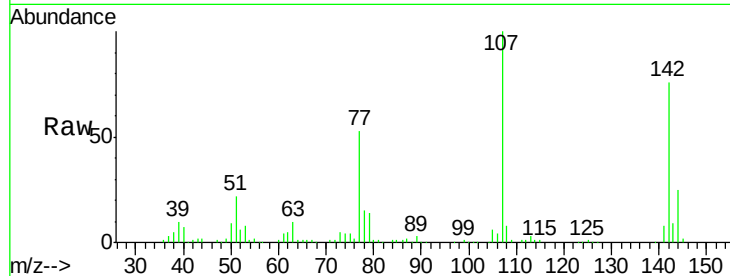




#33
 4-Chloro-3-methylphenol
 Concen: 43.031 ng/ul
 RT: 11.64 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

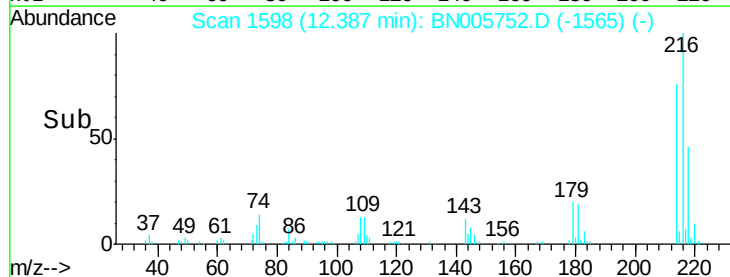
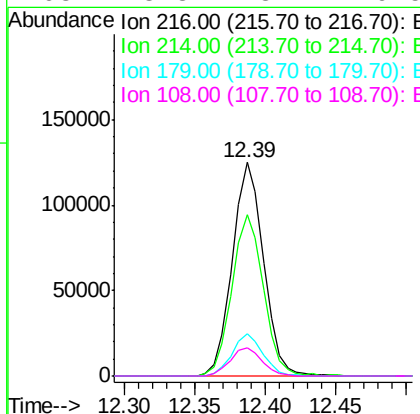
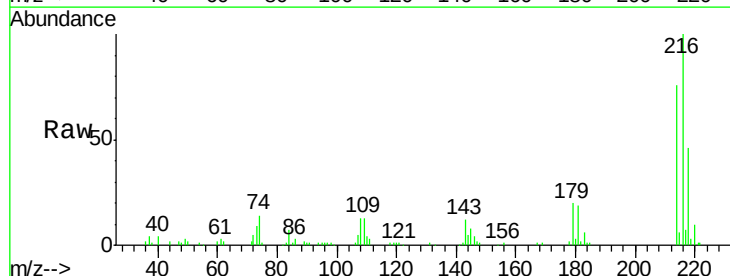
Instrument :
 BNA_N
 ClientSampleId :
 A5112

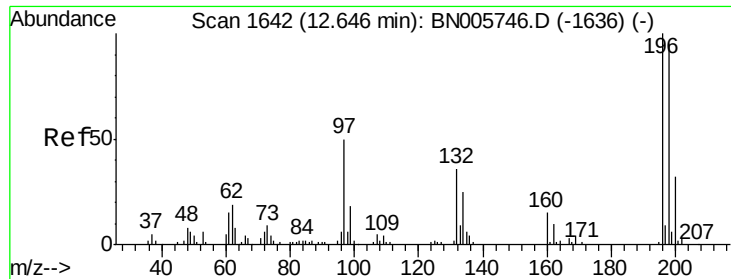
Tot Ion:107 Resp: 311481
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.4 29.0
 142 75.6 57.7 86.5



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.333 ng/ul
 RT: 12.39 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Tgt Ion:216 Resp: 192794
 Ion Ratio Lower Upper
 216 100
 214 75.7 64.1 96.1
 179 19.5 17.4 26.0
 108 13.3 13.7 20.5#

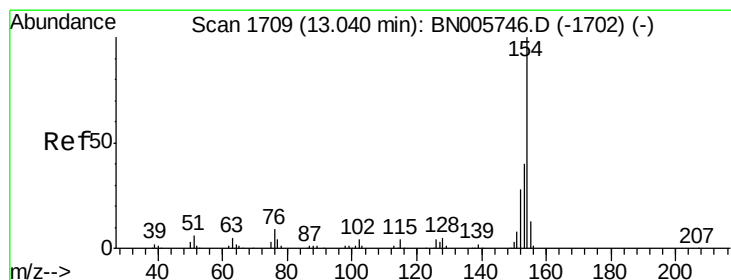
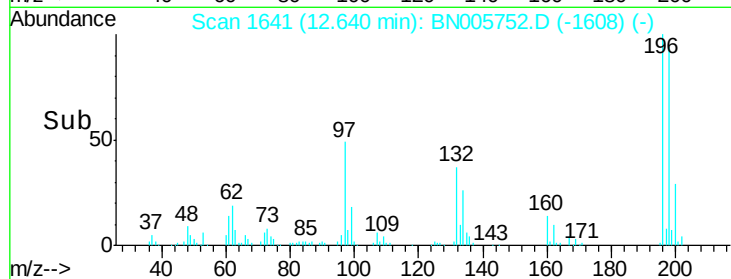
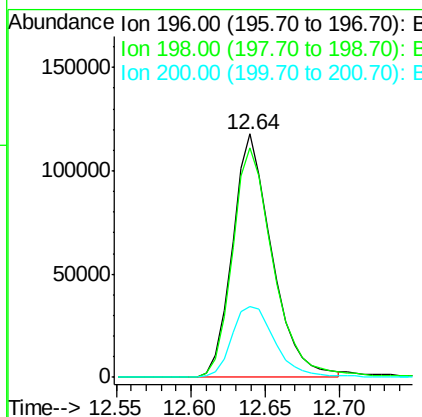
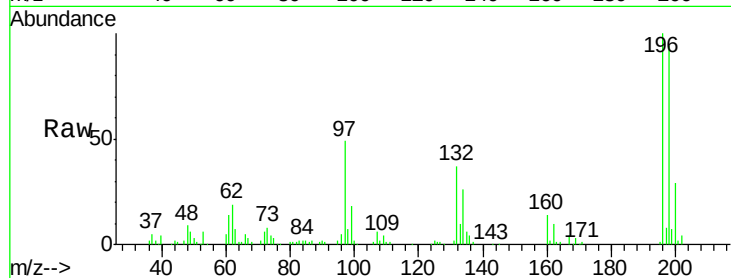




#38
 2,4,6-Trichlorophenol
 Concen: 36.964 ng/ul
 RT: 12.64 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

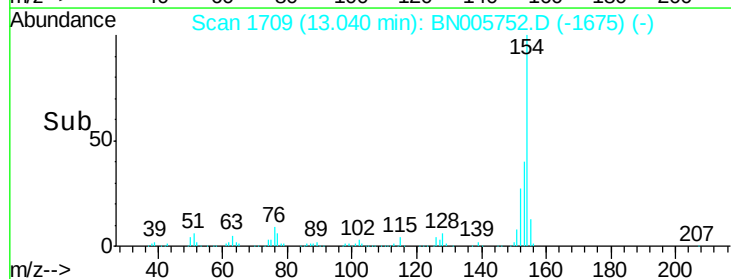
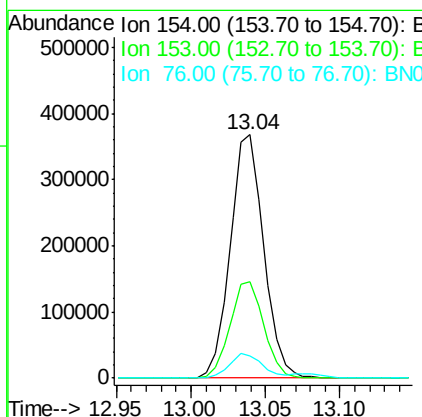
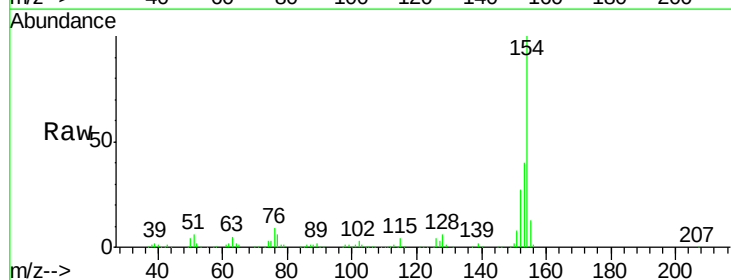
Instrument :
 BNA_N
 ClientSampleId :
 A5112

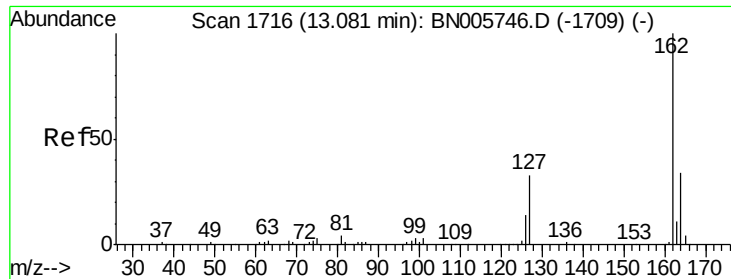
Tot Ion	Ratio	Lower	Upper
196	100		
198	94.2	74.8	112.2
200	29.2	23.5	35.3



#40
 1,1'-Biphenyl
 Concen: 26.926 ng/ul
 RT: 13.04 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	32.6	49.0
76	9.1	10.4	15.6

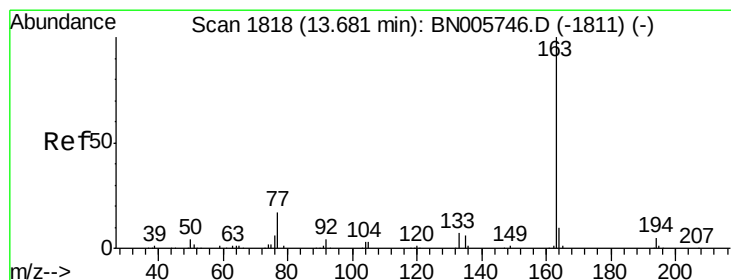
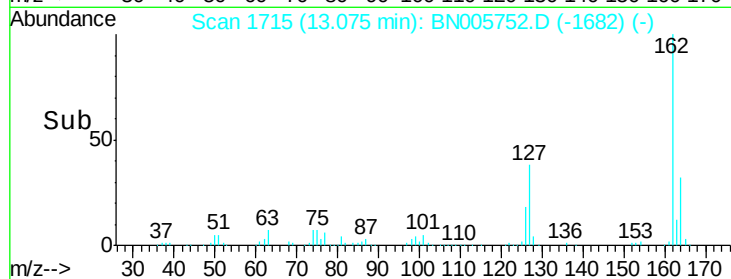
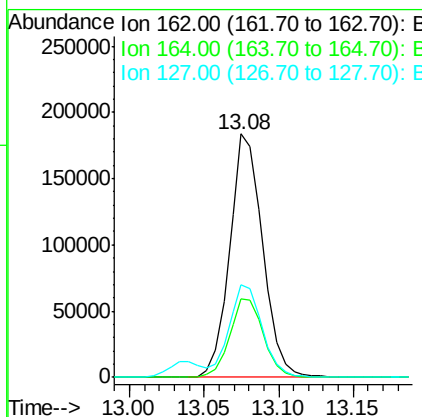
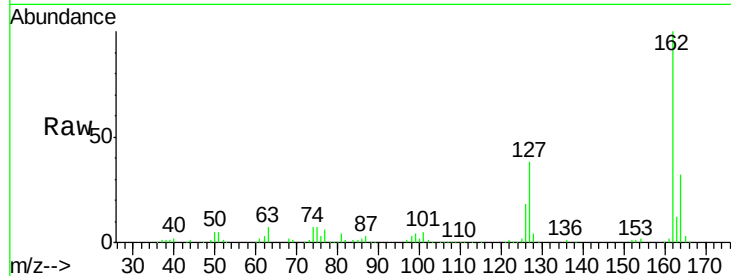




#41
 2-Chloronaphthalene
 Concen: 16.765 ng/ul
 RT: 13.08 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

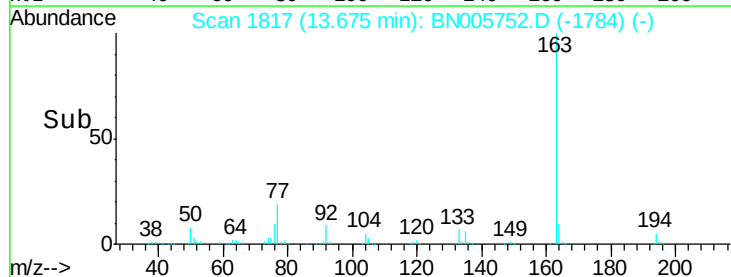
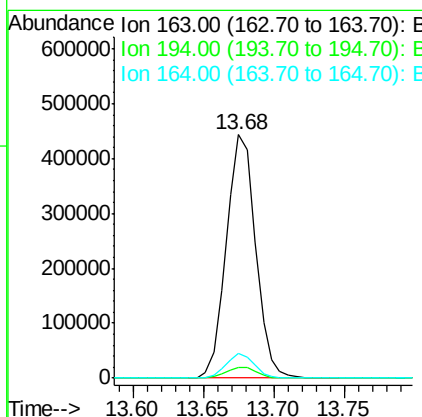
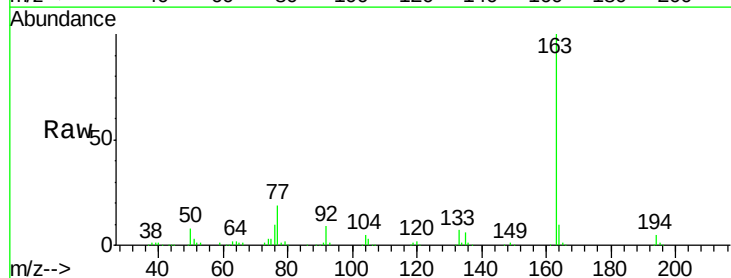
Instrument :
 BNA_N
 ClientSampleId :
 A5112

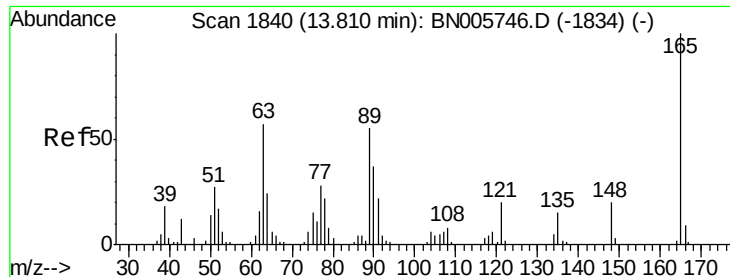
Tot Ion	Ratio	Lower	Upper
162	100		
164	32.5	26.8	40.2
127	38.0	33.5	50.3



#44
 Dimethylphthalate
 Concen: 28.693 ng/ul
 RT: 13.68 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.4	8.1	12.1

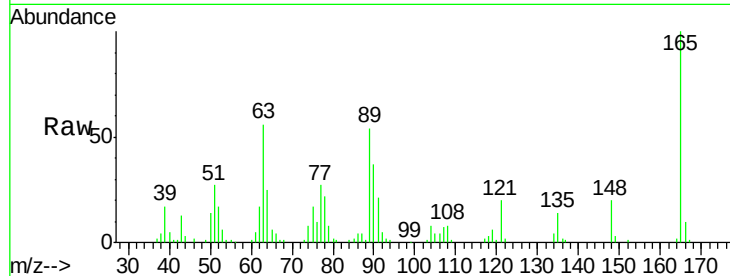




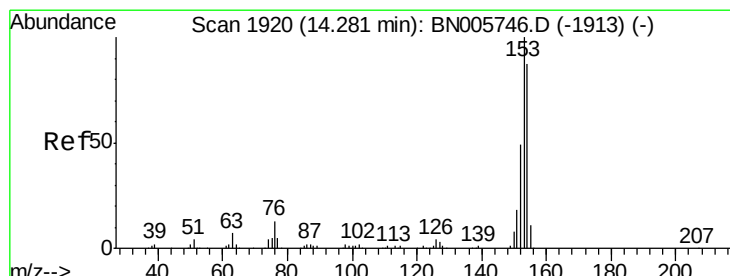
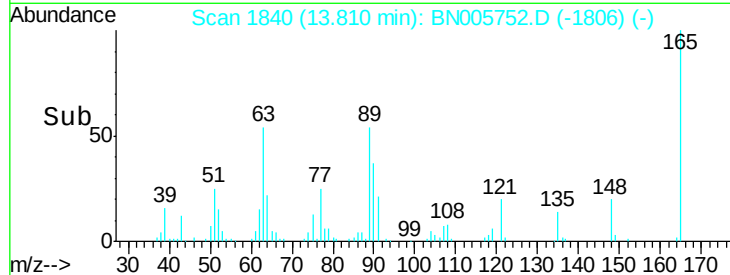
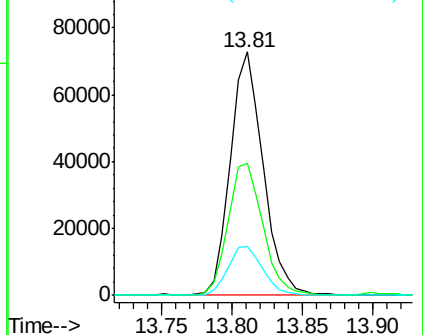
#45
 2,6-Dinitrotoluene
 Concen: 25.197 ng/ul
 RT: 13.81 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Instrument :
 BNA_N
 ClientSampleId :
 A5112

Tot Ion	Ratio	Lower	Upper
165	100		
89	54.2	50.2	75.2
121	20.2	19.4	29.2

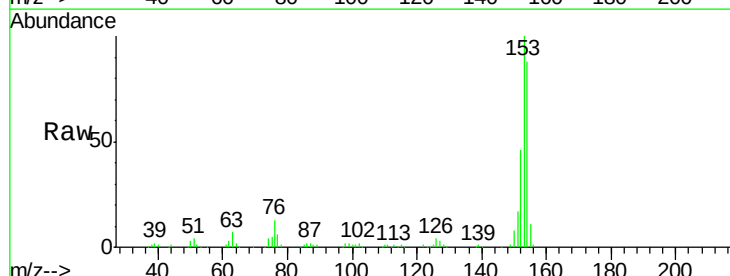


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BNO
 Ion 121.00 (120.70 to 121.70): E

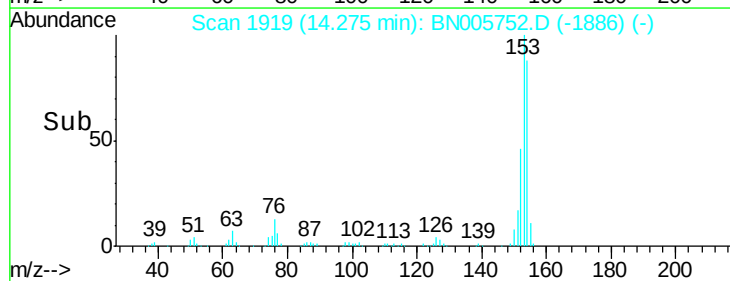
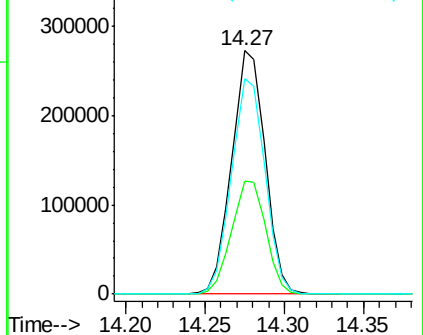


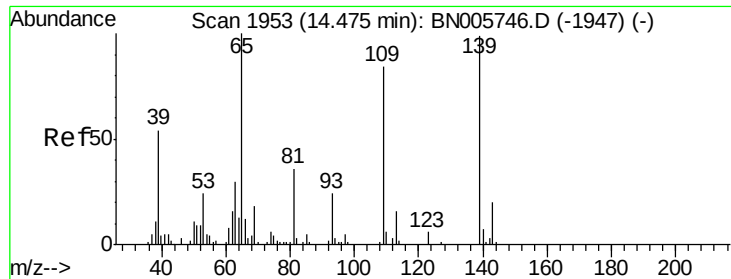
#49
 Acenaphthene
 Concen: 22.330 ng/ul
 RT: 14.27 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.4	37.4	56.0
154	88.4	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





#52

4-Nitrophenol

Concen: 28.143 ng/ul

RT: 14.47 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

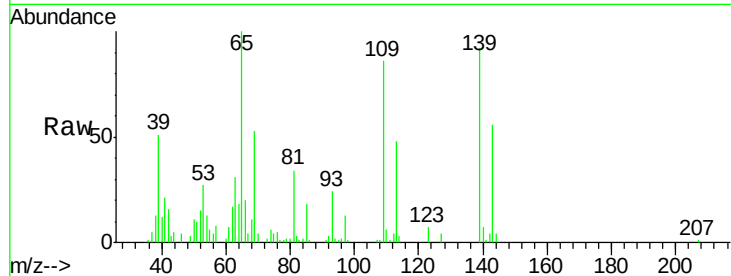
Tot Ion:109 Resp: 83906

Ion Ratio Lower Upper

109 100

139 106.6 92.3 138.5

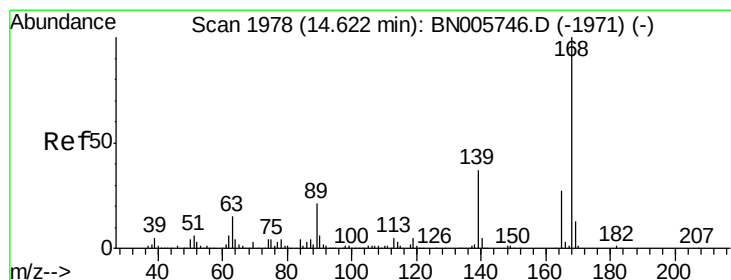
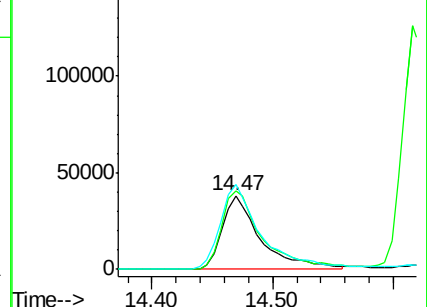
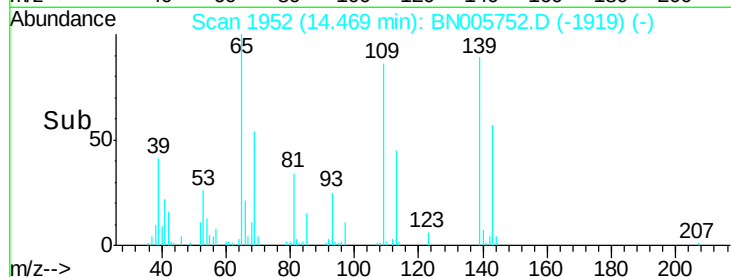
65 116.0 97.5 146.3



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC



#53

Dibenzofuran

Concen: 18.748 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BN005752.D

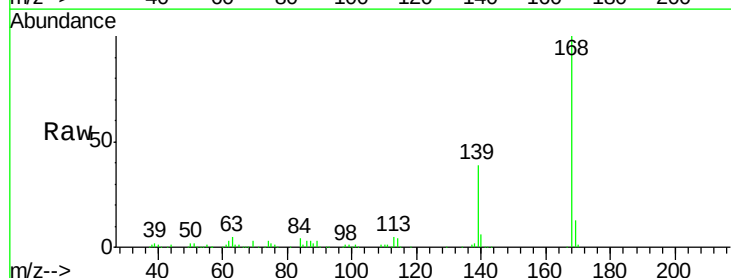
Acq: 18 May 2019 14:43

Tgt Ion:168 Resp: 499691

Ion Ratio Lower Upper

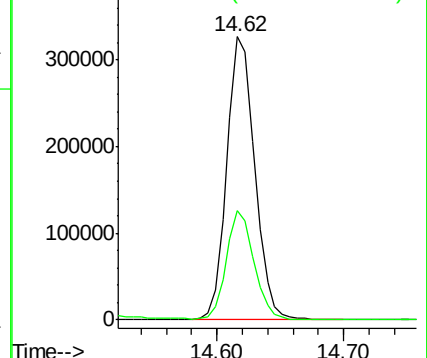
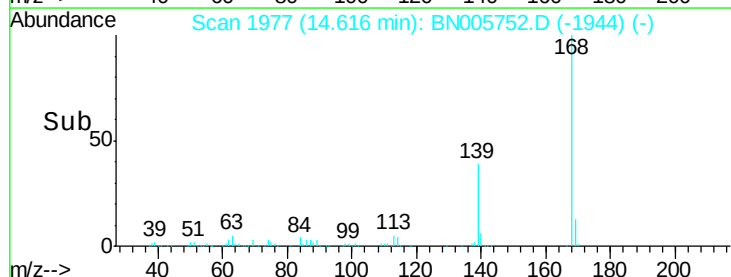
168 100

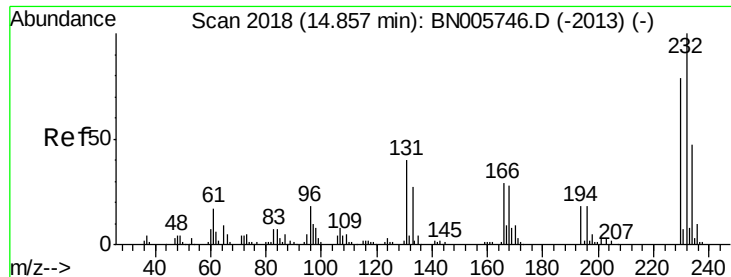
139 38.6 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 23.892 ng/ul

RT: 14.86 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

Tot Ion:232 Resp: 136782

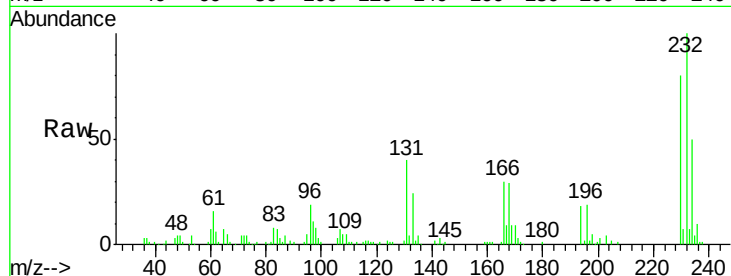
Ion Ratio Lower Upper

232 100

131 39.6 36.6 54.8

130 2.3 2.0 3.0

166 30.0 26.6 39.8

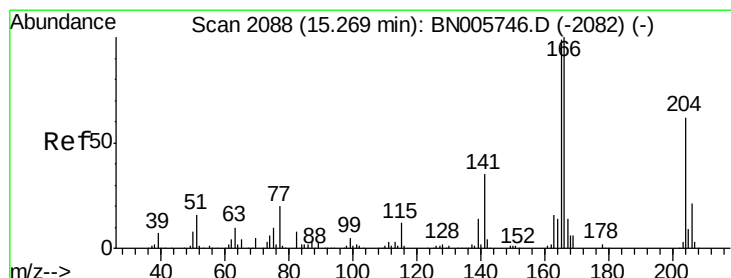
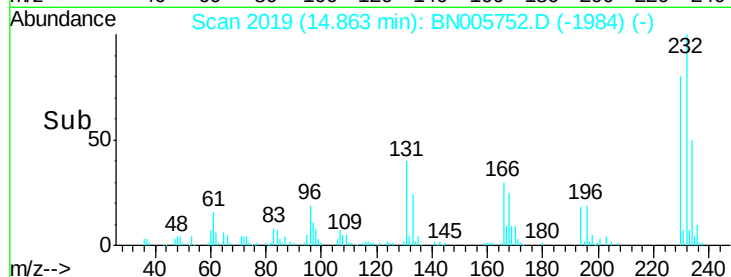
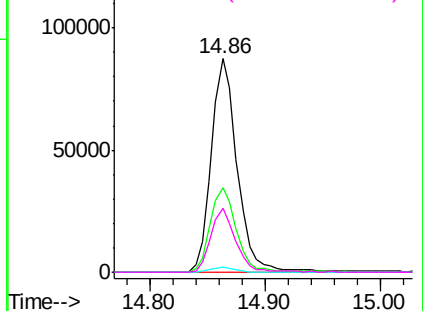


Abundance Ion 232.00 (231.70 to 232.70): E

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



#59

4-Chlorophenyl-phenylether

Concen: 17.135 ng/ul

RT: 15.27 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

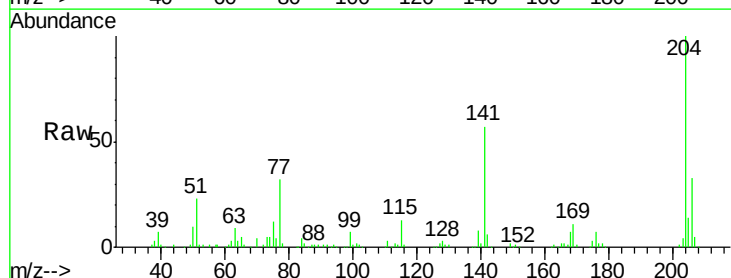
Tgt Ion:204 Resp: 202652

Ion Ratio Lower Upper

204 100

206 33.2 26.9 40.3

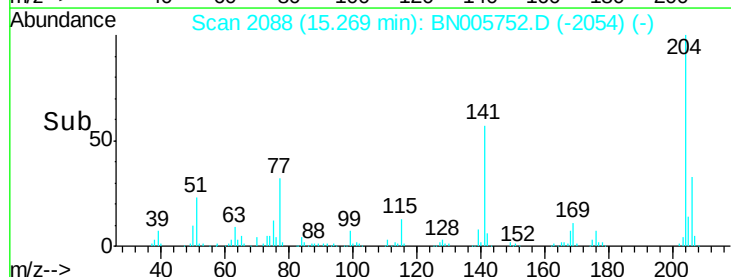
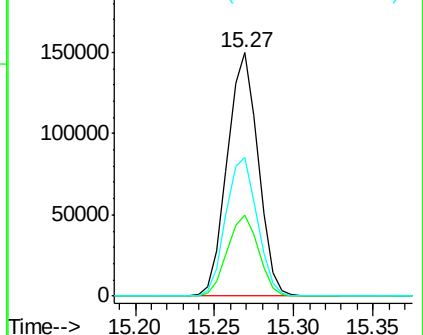
141 57.2 47.9 71.9

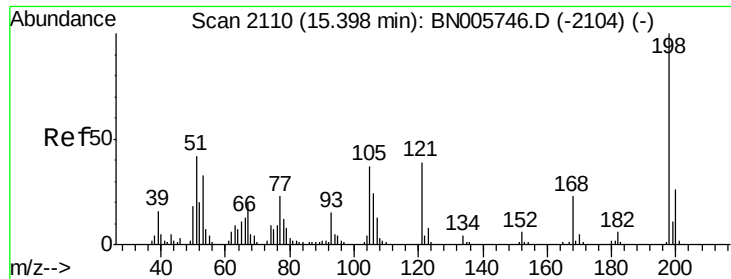


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

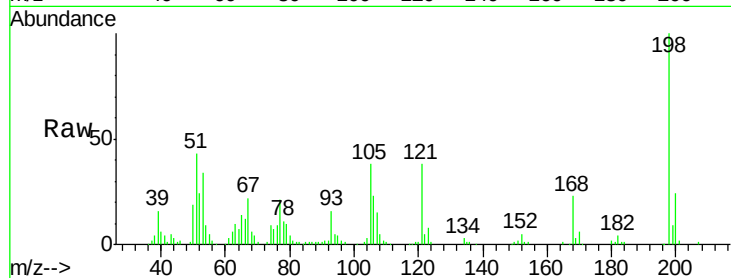




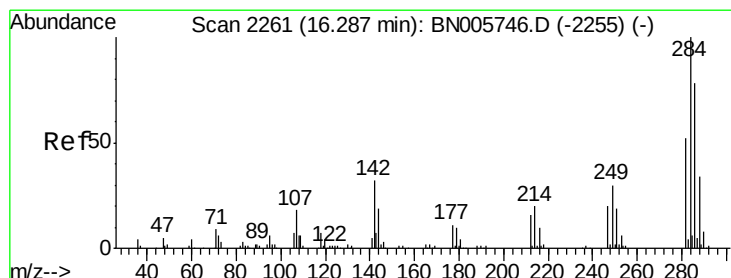
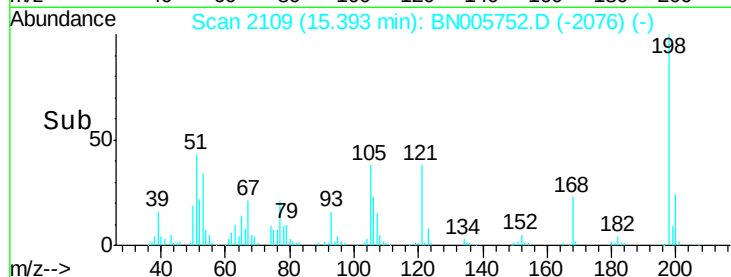
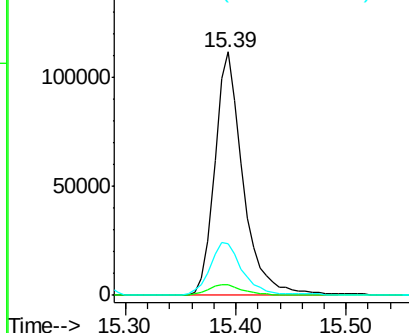
#63
 4,6-Dinitro-2-methylphenol
 Concen: 43.757 ng/ul
 RT: 15.39 min Scan# 2109
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Instrument :
 BNA_N
 ClientSampleID :
 A5112

Tot Ion	Ratio	Lower	Upper
198	100		
182	4.5	3.0	4.6
77	21.0	21.9	32.9#

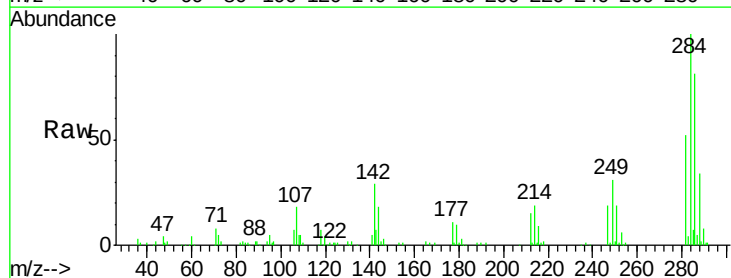


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

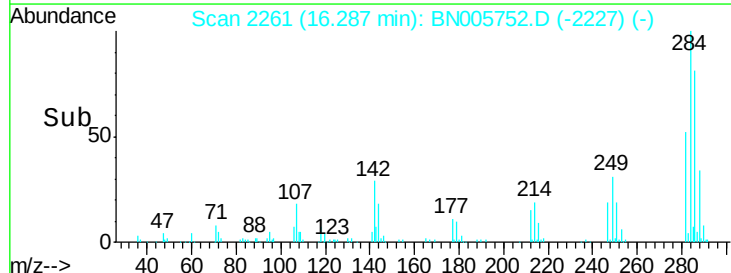
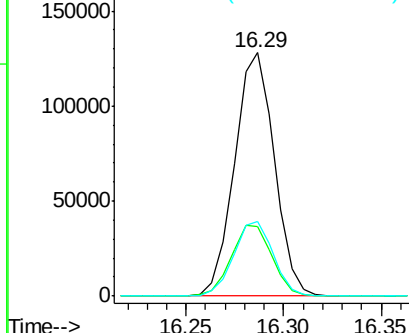


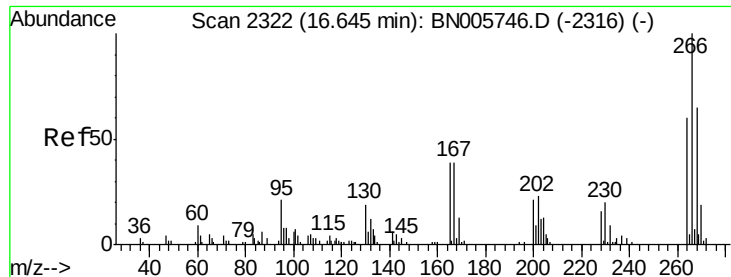
#66
 Hexachlorobenzene
 Concen: 20.516 ng/ul
 RT: 16.29 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.6	29.4	44.2#
249	30.6	26.1	39.1



Abundance Ion 284.00 (283.70 to 284.70): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

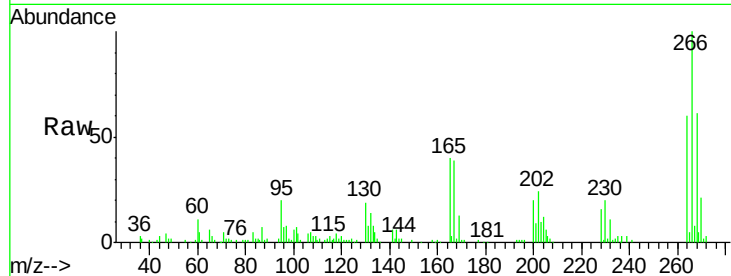




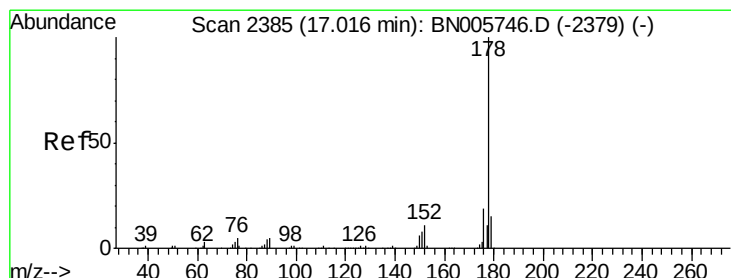
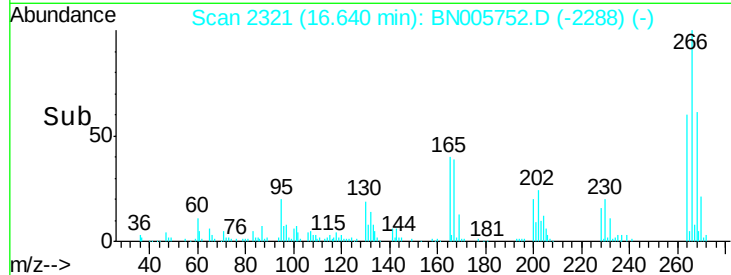
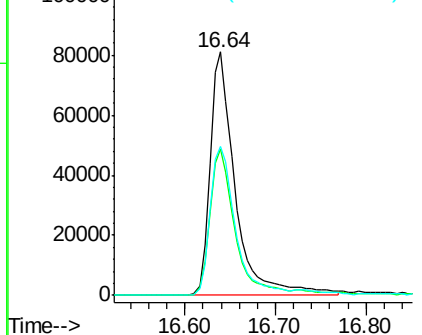
#68
 Pentachlorophenol
 Concen: 38.412 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Instrument :
 BNA_N
 ClientSampleId :
 A5112

Tot Ion	Ratio	Lower	Upper
266	100		
264	60.0	49.7	74.5
268	61.2	52.4	78.6

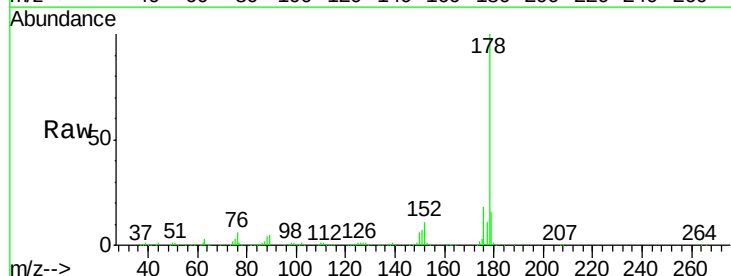


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

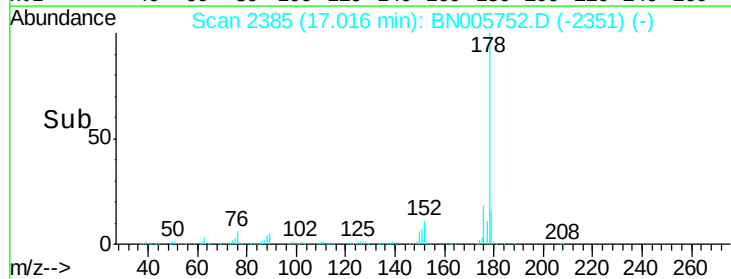
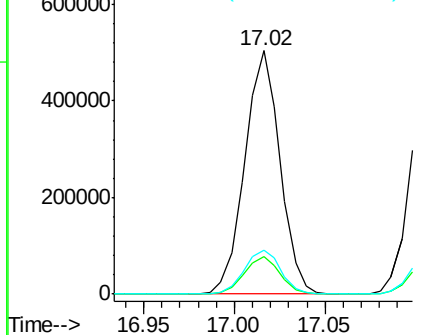


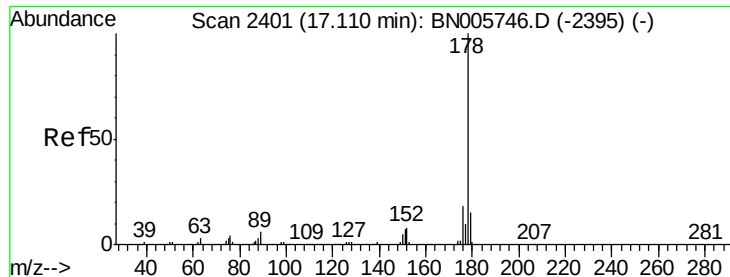
#69
 Phenanthrene
 Concen: 18.228 ng/ul
 RT: 17.02 min Scan# 2385
 Delta R.T. 0.00 min
 Lab File: BN005752.D
 Acq: 18 May 2019 14:43

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.4
176	18.2	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: 20.468 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

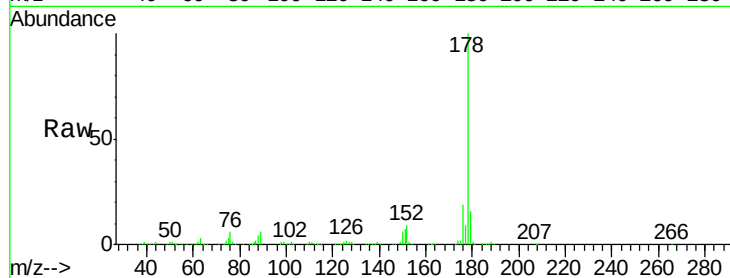
Tot Ion:178 Resp: 775965

Ion Ratio Lower Upper

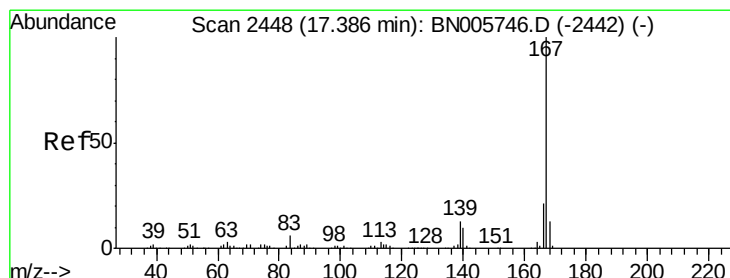
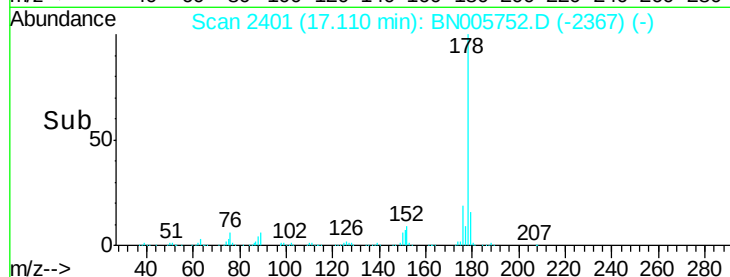
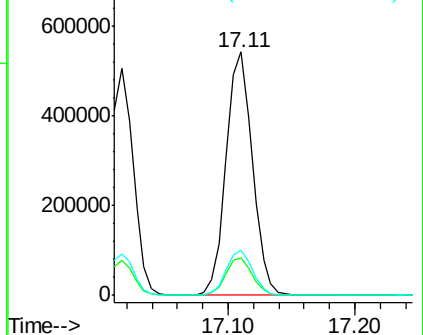
178 100

179 15.6 12.3 18.5

176 18.5 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



#74

Carbazole

Concen: 21.666 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

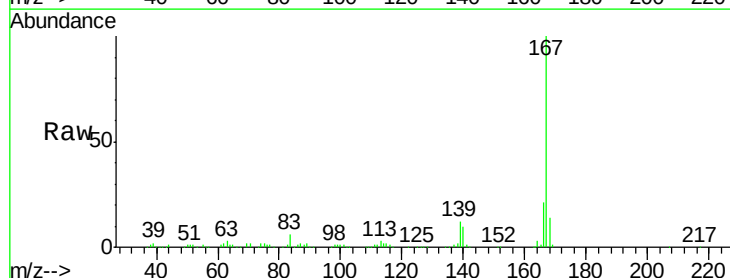
Tgt Ion:167 Resp: 724173

Ion Ratio Lower Upper

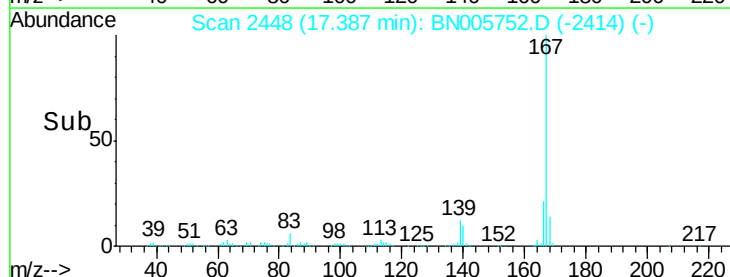
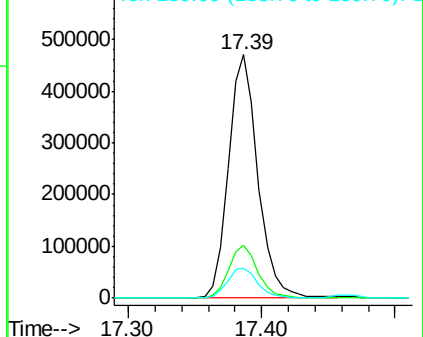
167 100

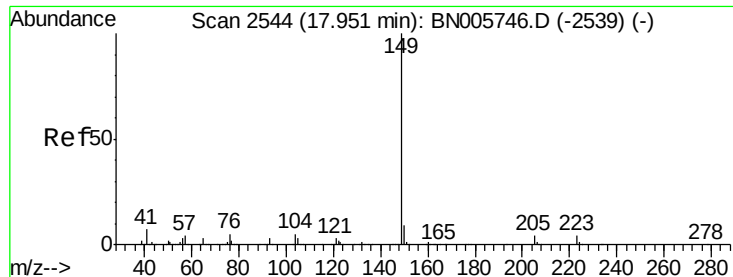
166 21.5 17.2 25.8

139 12.1 10.6 16.0



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: 18.446 ng/ul

RT: 17.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

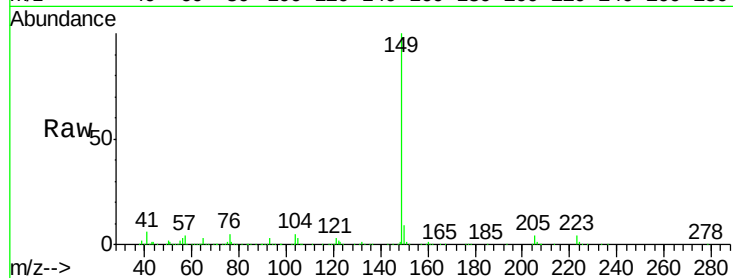
Tot Ion:149 Resp: 736501

Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

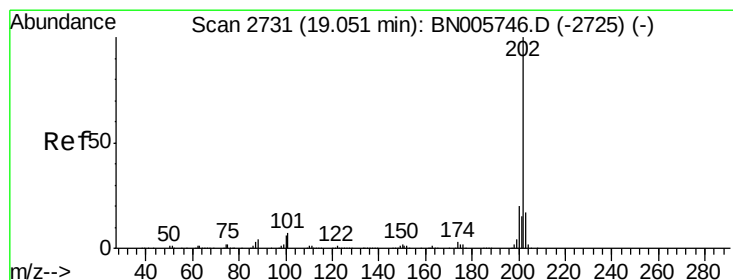
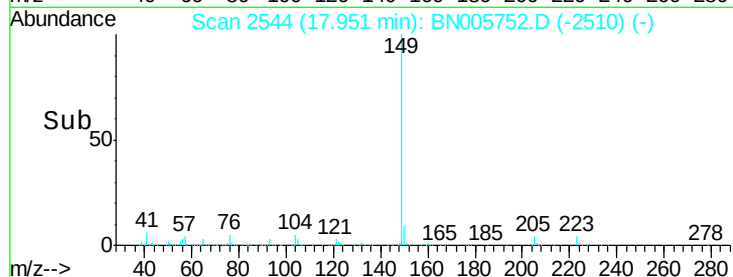
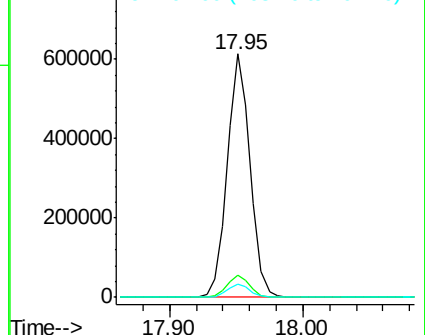
104 5.3 4.2 6.2



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: 41.227 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

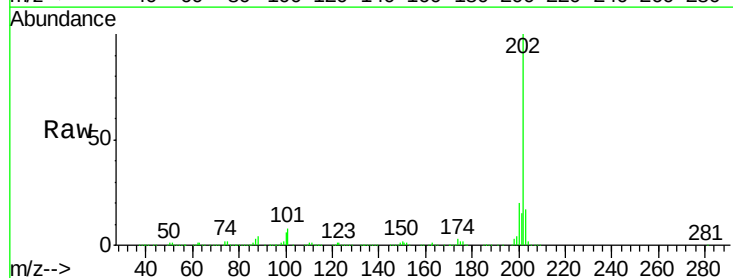
Tgt Ion:202 Resp: 1897819

Ion Ratio Lower Upper

202 100

101 7.6 8.6 12.8#

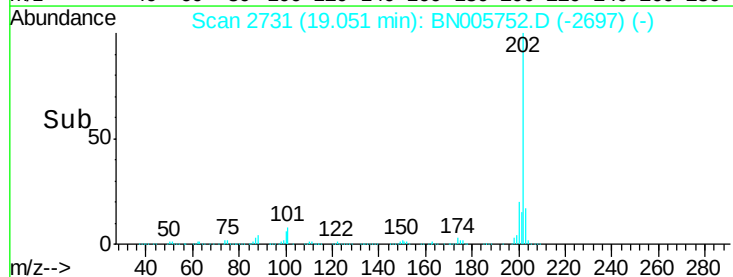
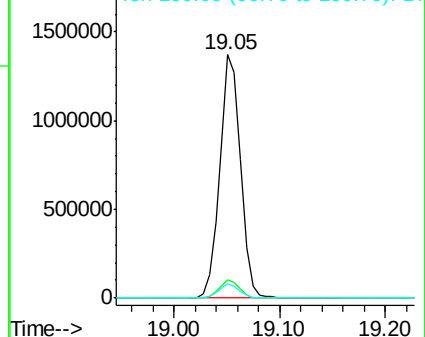
100 6.0 6.3 9.5#

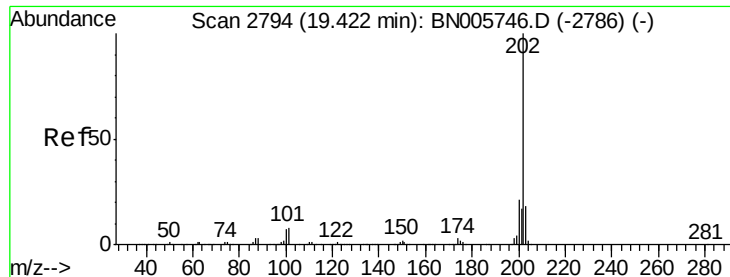


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

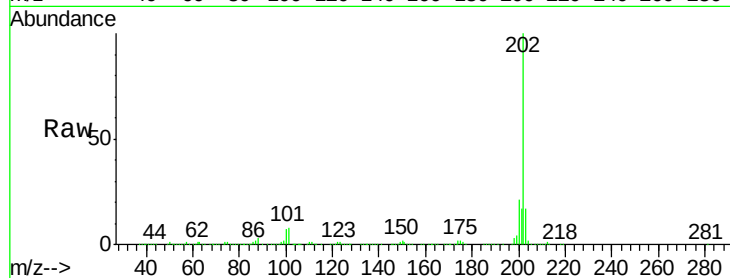




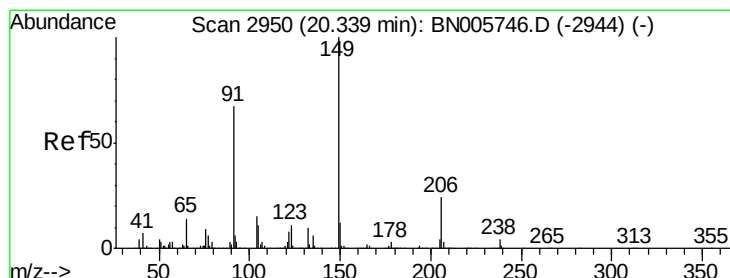
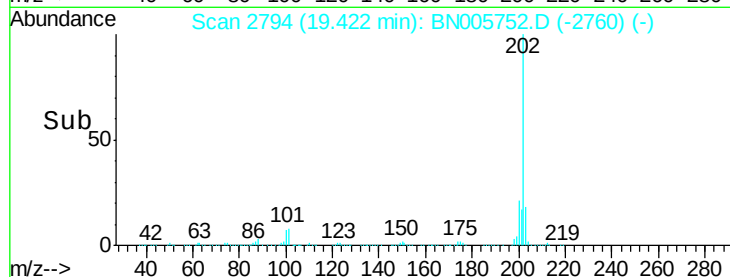
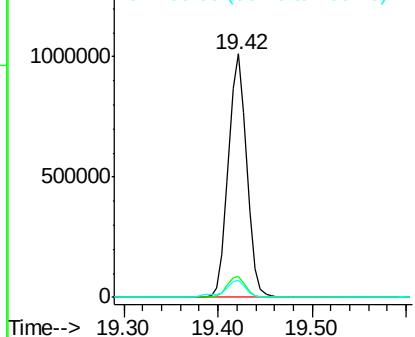
#79
Pvrene
Concen: 27.737 ng/ul
RT: 19.42 min Scan# 2794
Delta R.T. 0.00 min
Lab File: BN005752.D
Acq: 18 May 2019 14:43

Instrument :
BNA_N
ClientSampleId :
A5112

Tot Ion:202 Resp: 1377911
Ion Ratio Lower Upper
202 100
101 8.4 10.3 15.5#
100 6.8 7.9 11.9#

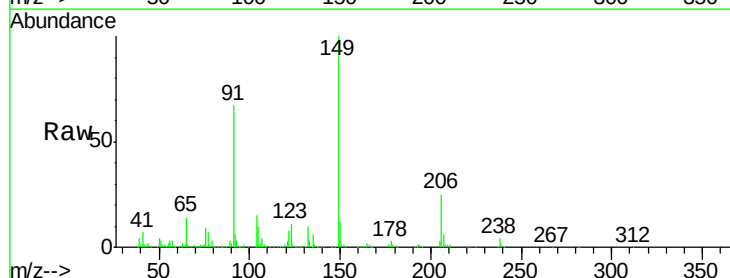


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

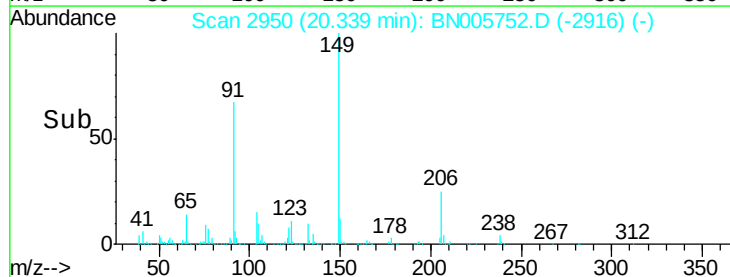
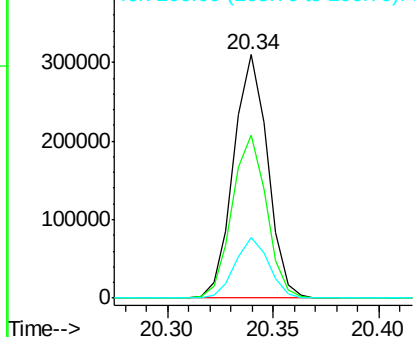


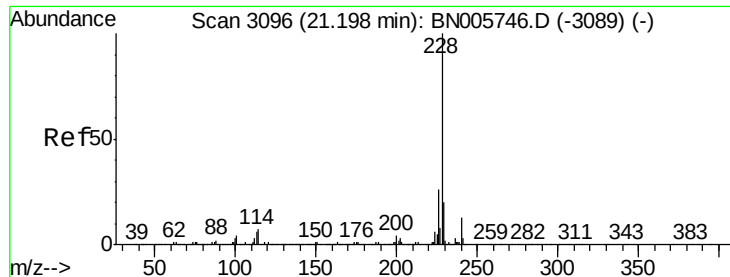
#80
Butylbenzylphthalate
Concen: 16.918 ng/ul
RT: 20.34 min Scan# 2950
Delta R.T. 0.00 min
Lab File: BN005752.D
Acq: 18 May 2019 14:43

Tgt Ion:149 Resp: 344311
Ion Ratio Lower Upper
149 100
91 66.9 59.6 89.4
206 24.9 17.8 26.8



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





#82

Benzo(a)anthracene

Concen: 34.266 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

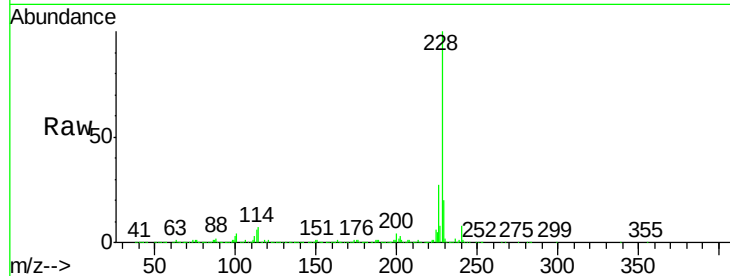
Tot Ion:228 Resp: 1746362

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

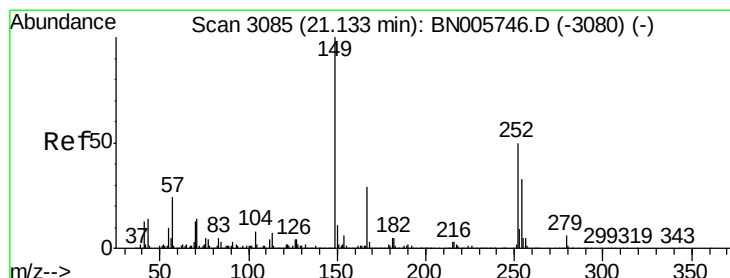
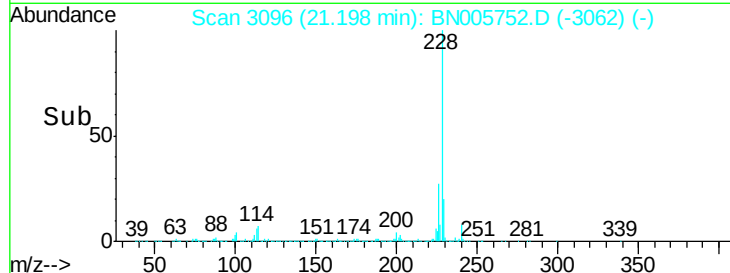
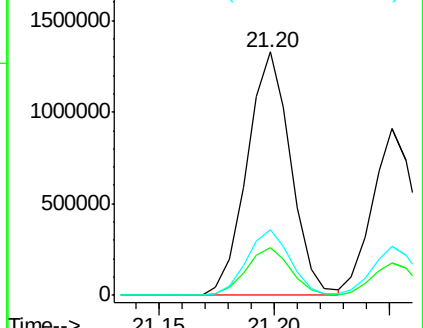
226 26.9 21.4 32.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 21.889 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

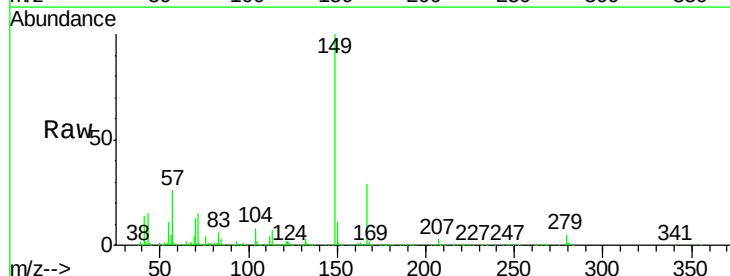
Tgt Ion:149 Resp: 632078

Ion Ratio Lower Upper

149 100

167 29.3 22.3 33.5

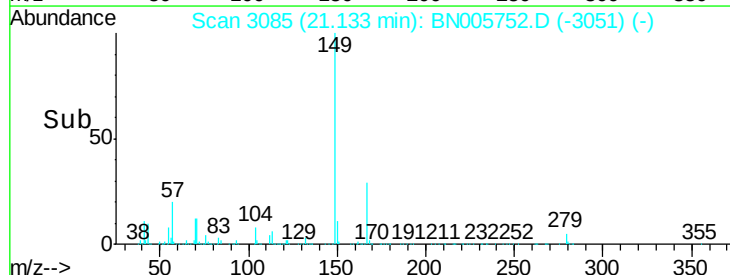
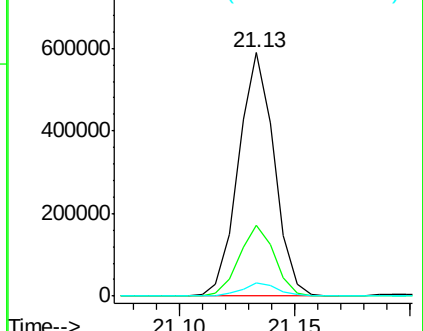
279 5.4 3.3 4.9#

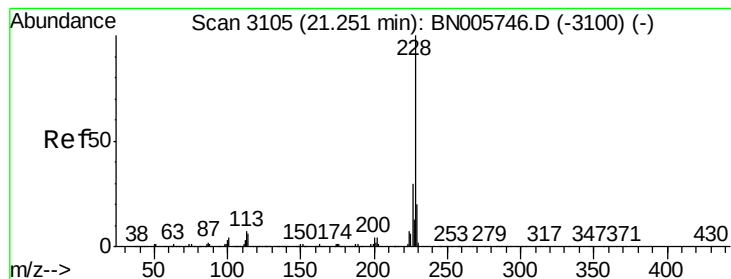


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 24.962 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

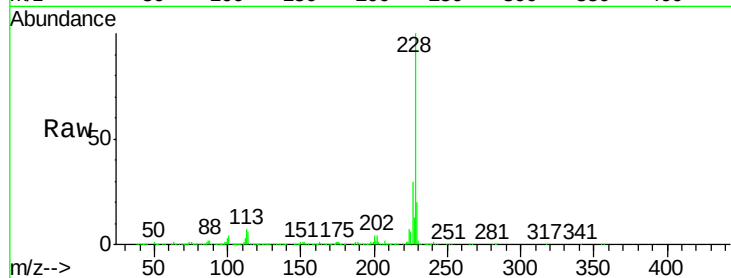
Tot Ion:228 Resp: 1199258

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	19.7	15.4	23.0

228 100

226 29.6 24.0 36.0

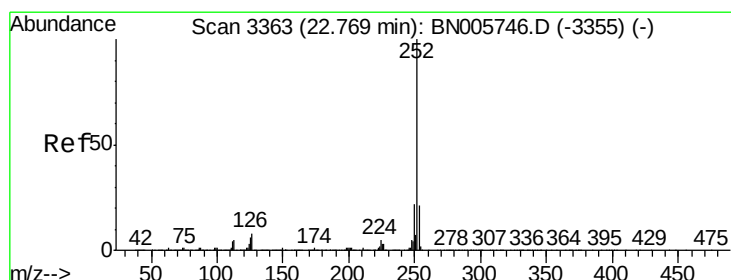
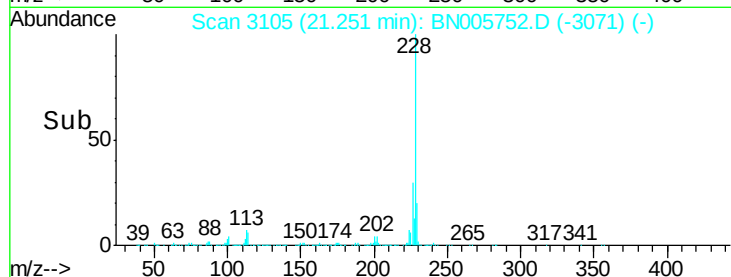
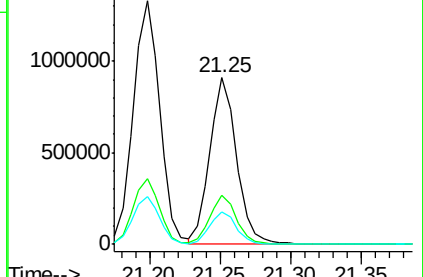
229 19.7 15.4 23.0



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: 25.090 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

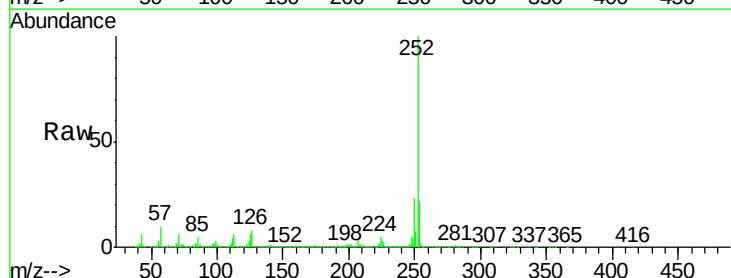
Tgt Ion:252 Resp: 1301710

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	6.2	8.4	12.6

252 100

253 21.8 17.7 26.5

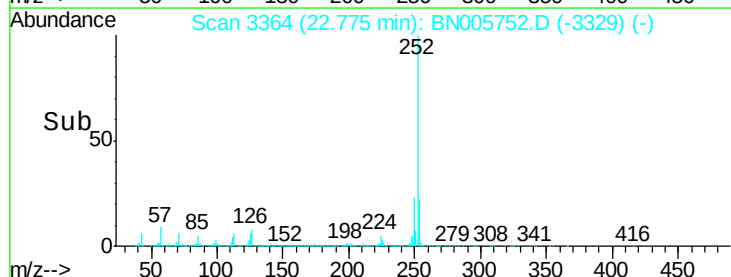
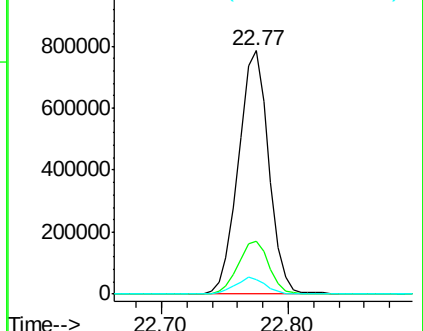
125 6.2 8.4 12.6

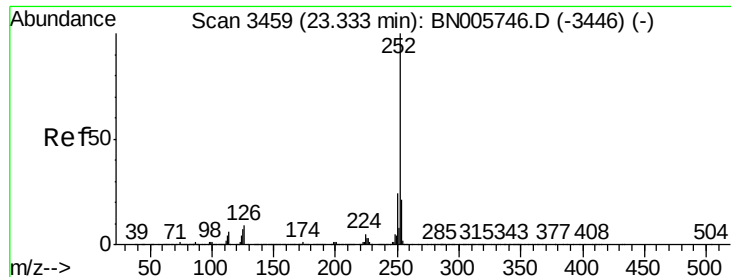


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 23.386 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

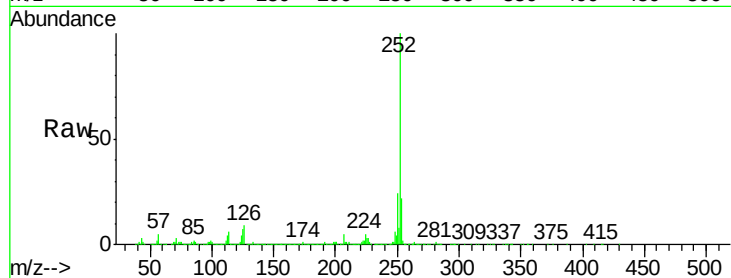
Tot Ion:252 Resp: 1174872

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

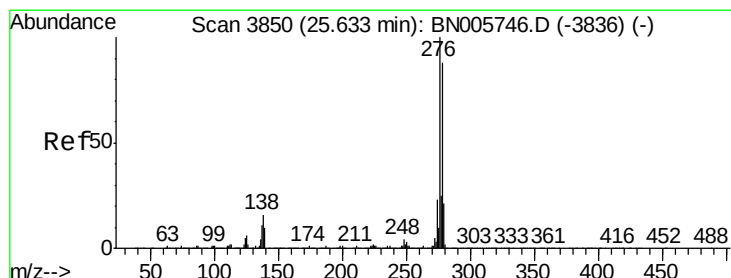
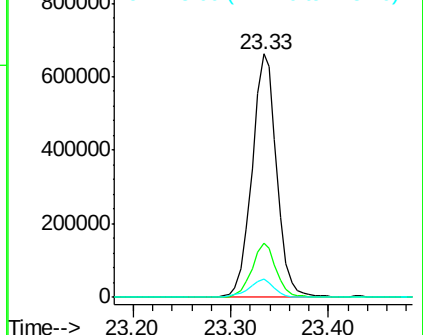
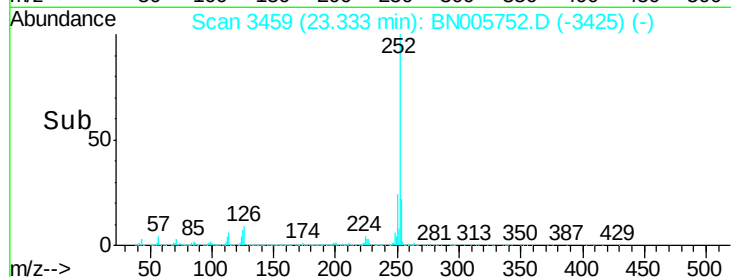
125 7.3 8.6 13.0#



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: 27.123 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. 0.01 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

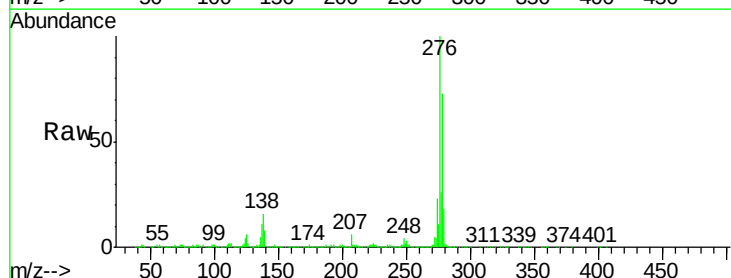
Tgt Ion:276 Resp: 1665952

Ion Ratio Lower Upper

276 100

138 16.3 17.9 26.9#

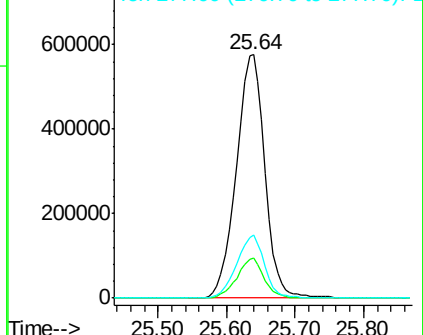
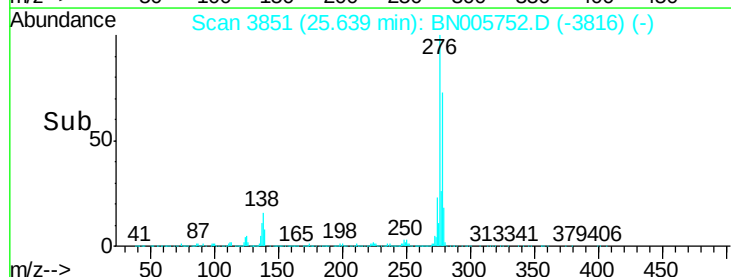
277 25.8 19.7 29.5

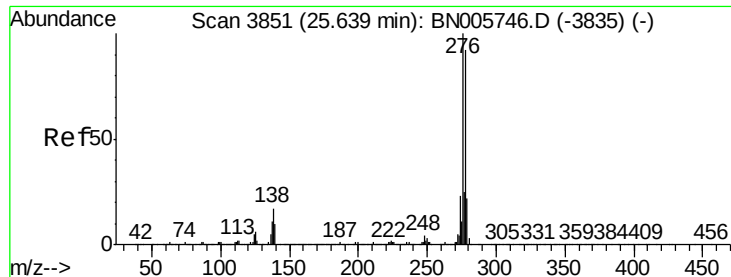


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 21.010 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. 0.00 min

Lab File: BN005752.D

Acq: 18 May 2019 14:43

Instrument :

BNA_N

ClientSampleId :

A5112

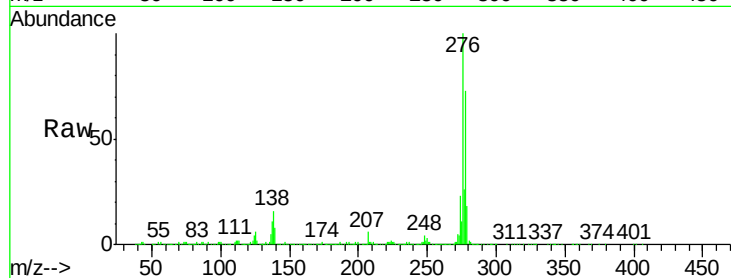
Tot Ion:278 Resp: 1086323

Ion Ratio Lower Upper

278 100

139 10.8 13.1 19.7#

279 24.1 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

