

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006048.D
 Acq On : 03 Jun 2019 21:48
 Operator : JU/SJ
 Sample : K2924-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 04 01:27:00 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	374035	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	1679074	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	970286	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1966860	20.00	ng/ul	0.00
77) Chrysene-d12	21.35	240	1393926	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	1444225	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	37071	4.61	ng/uL	0.00
5) Phenol-d5	6.89	99	738494	23.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	452845	25.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	587059	24.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	491267	19.87	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	303019	24.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	339619	25.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	572547	23.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	725040	24.19	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	1920269	27.98	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	2316014	26.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	259095	20.43	ng/ul	0.00
57) Fluorene-d10	15.38	176	1564429	26.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	204544	21.47	ng/ul	0.00
70) Anthracene-d10	17.23	188	2121192	25.73	ng/ul	0.00
78) Pyrene-d10	19.54	212	2175030	27.35	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.49	264	1780173	27.74	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.29	88	355	0.042	ng/uL# 1
4) Benzaldehyde	6.87	77	8910	0.424	ng/ul 94
6) Phenol	6.92	94	705714	22.358	ng/ul 97
8) Bis(2-Chloroethyl)ether	7.26	93	1208	0.050	ng/ul# 1
10) 2-Chlorophenol	7.29	128	537862	21.703	ng/ul 98
14) Acetophenone	8.54	105	8460	0.231	ng/ul# 93
15) N-Nitroso-di-n-propylamine	8.52	70	479801	25.306	ng/ul 100
16) 4-Methylphenol	8.49	108	2183	0.083	ng/ul 95
20) Nitrobenzene	8.93	77	261	0.009	ng/ul# 39
21) Isophorone	9.45	82	498	0.009	ng/ul# 66
28) Naphthalene	10.56	128	4263	0.054	ng/ul 98
30) 4-Chloroaniline	10.57	127	414	0.014	ng/ul# 42
32) Caprolactam	11.49	113	320	0.036	ng/ul# 44
33) 4-Chloro-3-methylphenol	11.80	107	593224	21.927	ng/ul 97
34) 2-Methylnaphthalene	12.17	142	1073	0.019	ng/ul# 51
44) Dimethylphthalate	13.84	163	647117	9.524	ng/ul 99
45) 2,6-Dinitrotoluene	13.96	165	275	0.019	ng/ul# 33
47) Acenaphthylene	14.10	152	5692	0.066	ng/ul# 92
48) 3-Nitroaniline	14.44	138	1188	0.081	ng/ul# 1
49) Acenaphthene	14.44	153	1416462	24.230	ng/ul 98
52) 4-Nitrophenol	14.60	109	189208	19.740	ng/ul 98
53) Dibenzofuran	14.78	168	2374	0.029	ng/ul# 36
54) 2,4-Dinitrotoluene	14.75	165	501314	25.321	ng/ul 95

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

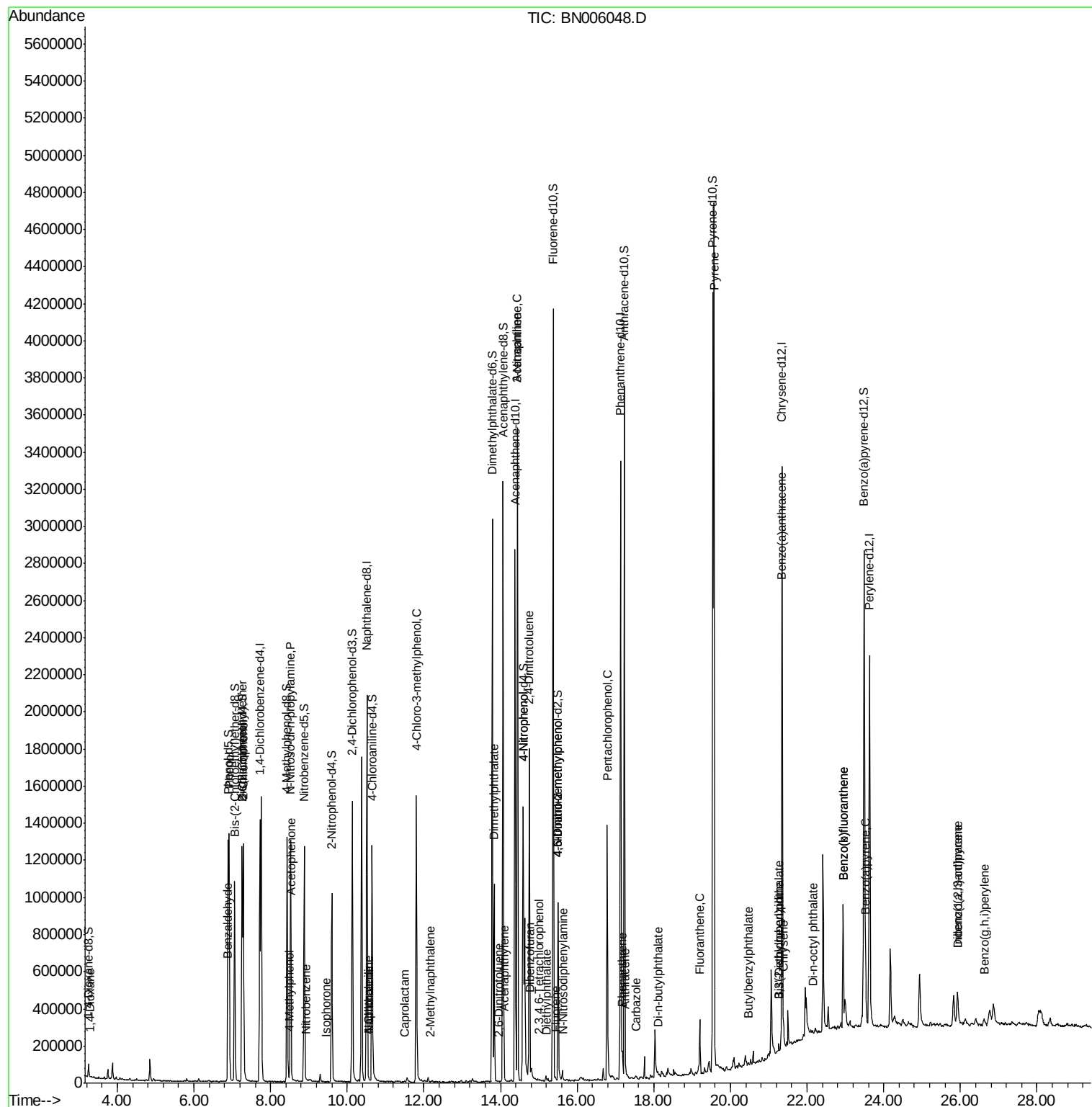
55) 2,3,4,6-Tetrachlorophenol	15.01	232	1166	0.072	ng/ul#	70
56) Diethylphthalate	15.21	149	2901	0.043	ng/ul#	82
58) Fluorene	15.44	166	3972	0.062	ng/ul#	69
60) 4-Nitroaniline	15.50	138	603	0.036	ng/ul#	1
63) 4,6-Dinitro-2-methylphenol	15.51	198	621	0.064	ng/ul#	1
64) N-Nitrosodiphenylamine	15.64	169	235	0.004	ng/ul#	47
68) Pentachlorophenol	16.79	266	253765	21.963	ng/ul	99
69) Phenanthrene	17.18	178	77934	0.817	ng/ul	99
71) Anthracene	17.26	178	15704	0.162	ng/ul	99
74) Carbazole	17.54	167	7616	0.091	ng/ul#	91
75) Di-n-butylphthalate	18.11	149	8746	0.082	ng/ul#	92
76) Fluoranthene	19.20	202	167774	1.806	ng/ul	98
79) Pyrene	19.57	202	2661610	26.493	ng/ul	99
80) Butylbenzylphthalate	20.48	149	1288	0.028	ng/ul#	67
81) 3,3'-Dichlorobenzidine	21.26	252	526	0.020	ng/ul#	26
82) Benzo(a)anthracene	21.34	228	68207	0.792	ng/ul	94
83) Bis(2-ethylhexyl)phthalate	21.26	149	14287	0.229	ng/ul#	99
84) Chrysene	21.38	228	78772	0.967	ng/ul	99
86) Di-n-octyl phthalate	22.16	149	771	0.008	ng/ul	100
87) Benzo(b)fluoranthene	22.95	252	93636	1.175	ng/ul#	92
88) Benzo(k)fluoranthene	22.95	252	93636	1.213	ng/ul#	92
90) Benzo(a)pyrene	23.54	252	63359	0.837	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.93	276	43748	0.502	ng/ul	95
92) Dibenzo(a,h)anthracene	25.93	278	14354	0.195	ng/ul#	89
93) Benzo(g,h,i)perylene	26.62	276	40019	0.558	ng/ul	98

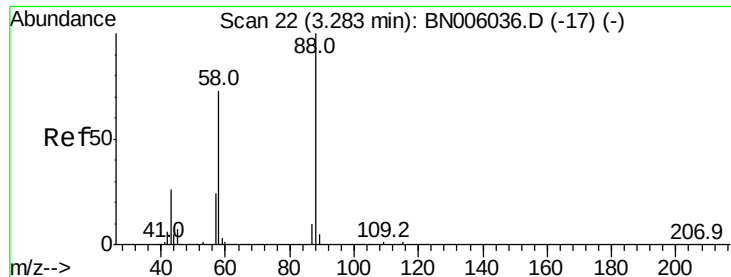
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.042 ng/uL

RT: 3.29 min Scan# 24

Delta R.T. 0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

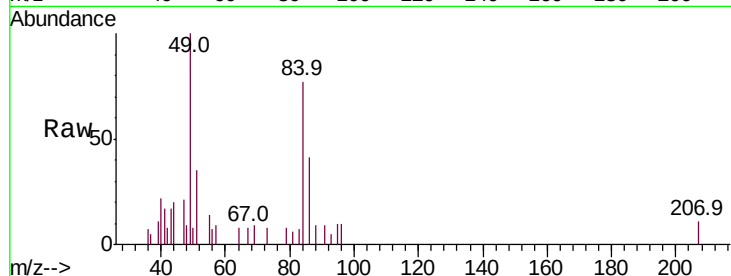
Tot Ion: 88 Resp: 355

Ion Ratio Lower Upper

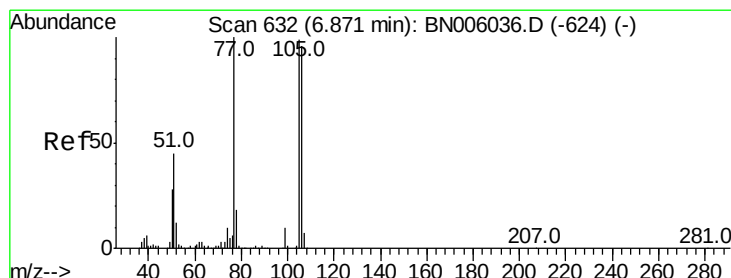
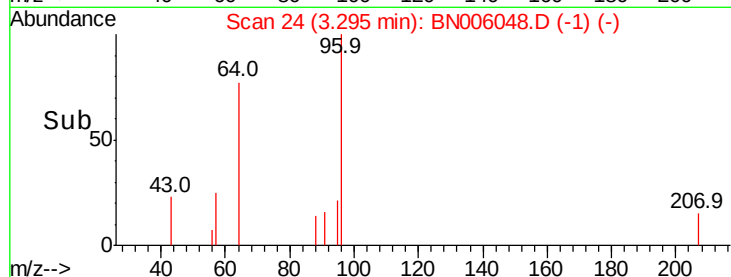
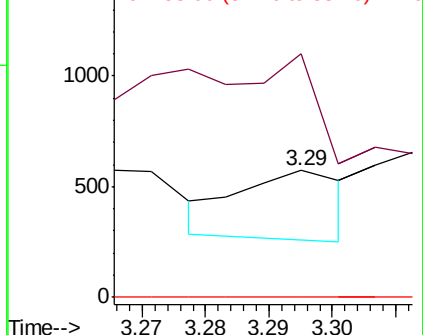
88 100

43 191.6 23.3 34.9#

58 0.0 59.0 88.4#



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 43.00 (42.70 to 43.70): BN0
Ion 58.00 (57.70 to 58.70): BN0



#4

Benzaldehyde

Concen: 0.424 ng/uL

RT: 6.87 min Scan# 632

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

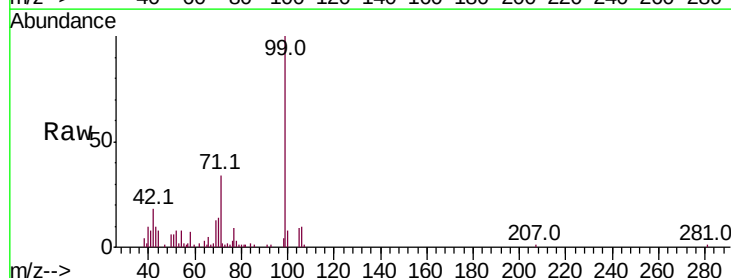
Tgt Ion: 77 Resp: 8910

Ion Ratio Lower Upper

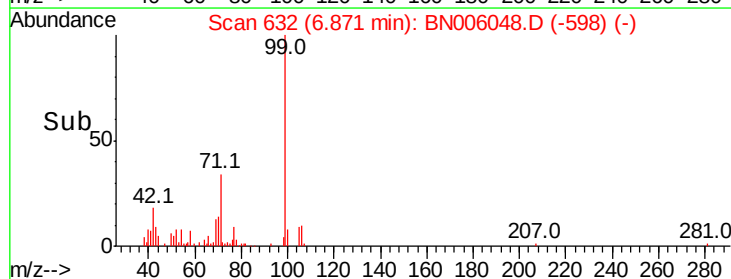
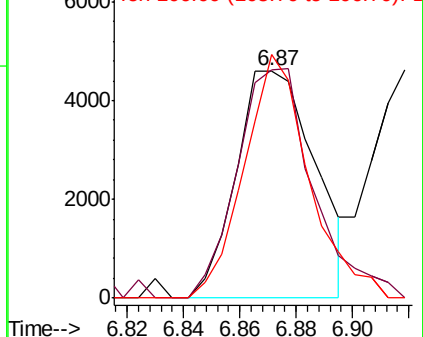
77 100

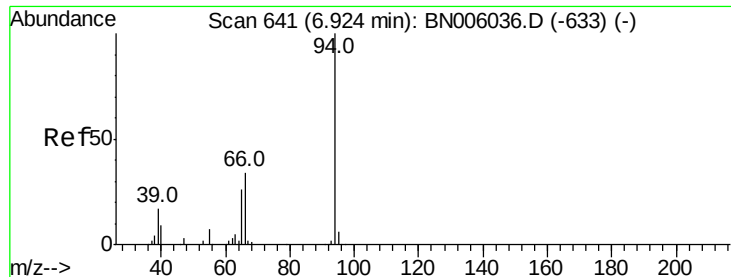
105 100.5 79.4 119.2

106 107.0 76.7 115.1



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 105.00 (104.70 to 105.70): BN0
Ion 106.00 (105.70 to 106.70): BN0





#6

Phenol

Concen: 22.358 ng/ul

RT: 6.92 min Scan# 640

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

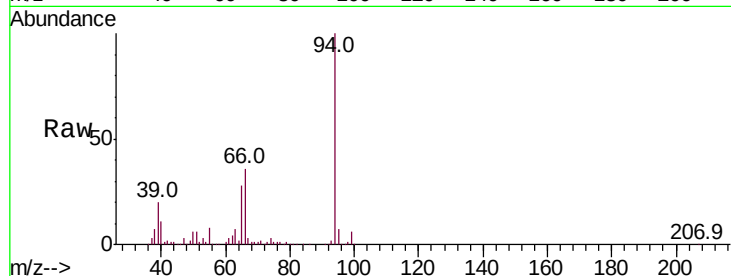
Instrument :

BNA_N

ClientSampled :

Tot Ion: 94 Resp: 705714

Ion	Ratio	Lower	Upper
94	100		
65	28.0	21.1	31.7
66	36.4	28.2	42.2

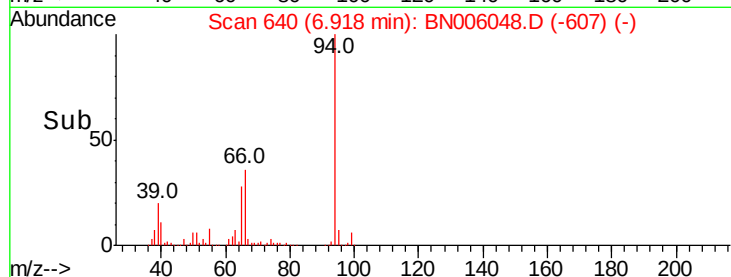


Abundance

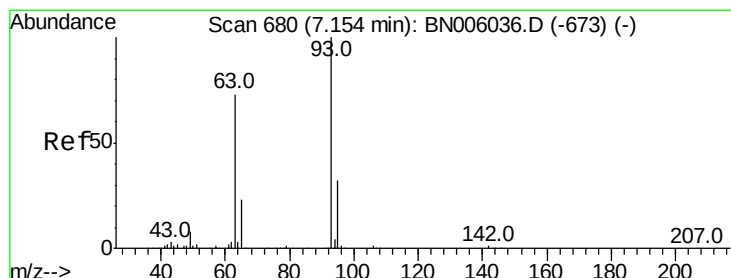
Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



6.92



#8

Bis(2-Chloroethyl)ether

Concen: 0.050 ng/ul

RT: 7.26 min Scan# 698

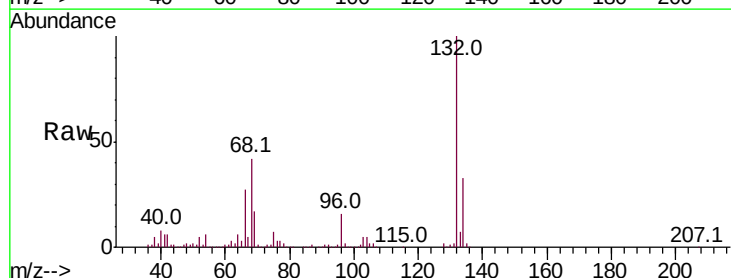
Delta R.T. 0.11 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Tgt Ion: 93 Resp: 1208

Ion	Ratio	Lower	Upper
93	100		
63	687.0	58.5	87.7#
95	222.3	25.7	38.5#

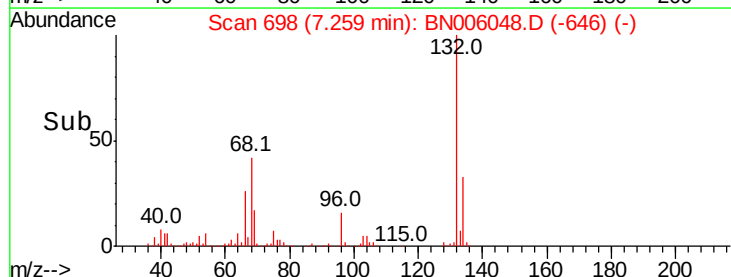


Abundance

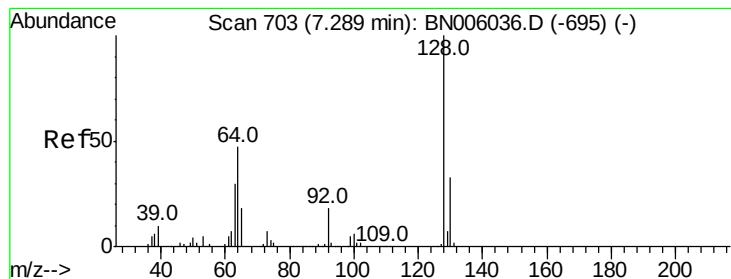
Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0



7.26



#10

2-Chlorophenol

Concen: 21.703 ng/ul

RT: 7.29 min Scan# 703

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

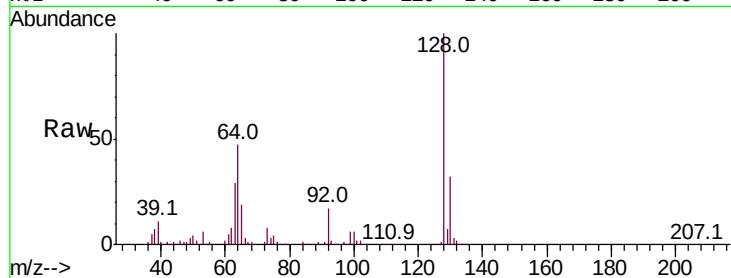
Tot Ion:128 Resp: 537862

Ion Ratio Lower Upper

128 100

64 46.6 38.7 58.1

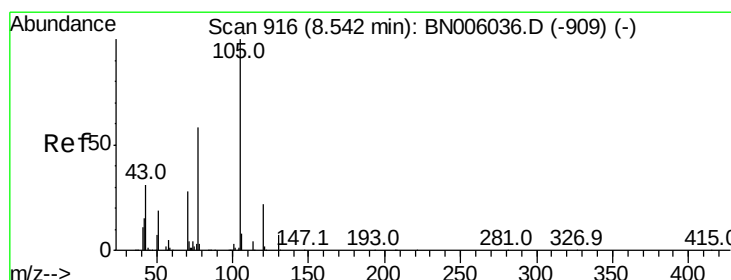
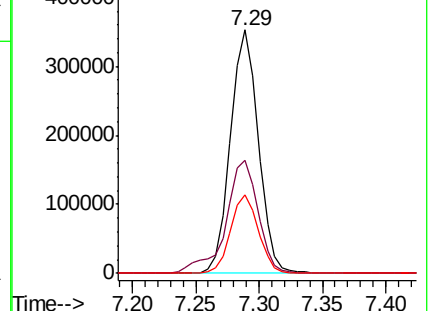
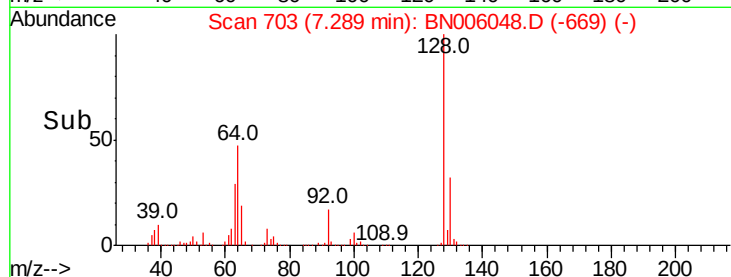
130 32.3 26.0 39.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 130.00 (129.70 to 130.70): E



#14

Acetophenone

Concen: 0.231 ng/ul

RT: 8.54 min Scan# 916

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

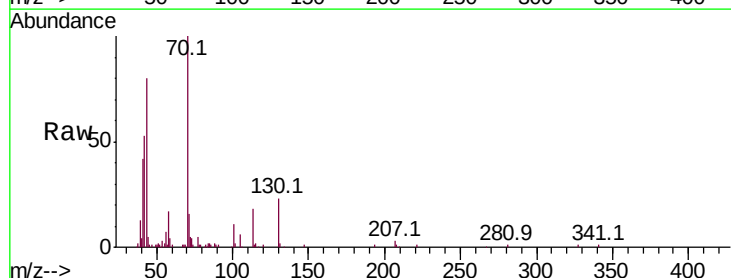
Tgt Ion:105 Resp: 8460

Ion Ratio Lower Upper

105 100

77 82.2 62.6 93.8

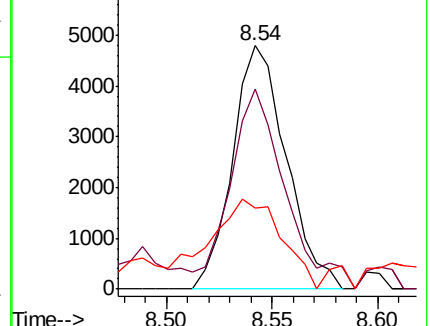
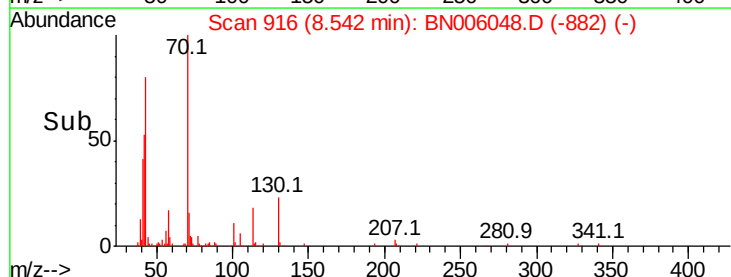
51 33.1 21.2 31.8#

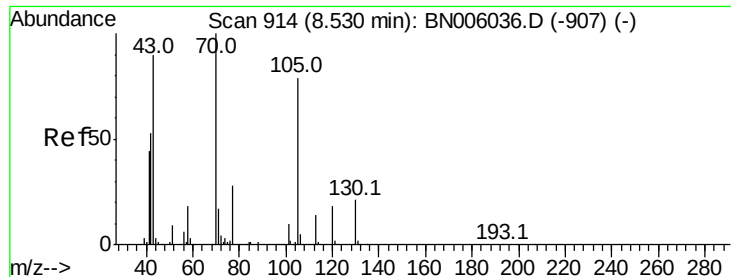


Abundance Ion 105.00 (104.70 to 105.70): E

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: 25.306 ng/ul

RT: 8.52 min Scan# 913

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 479801

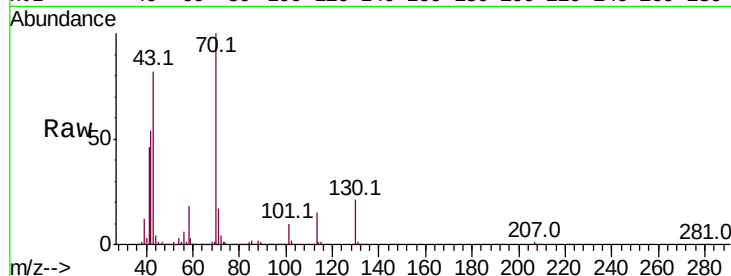
Ion Ratio Lower Upper

70 100

42 54.3 43.3 64.9

101 10.0 7.8 11.8

130 21.4 16.9 25.3

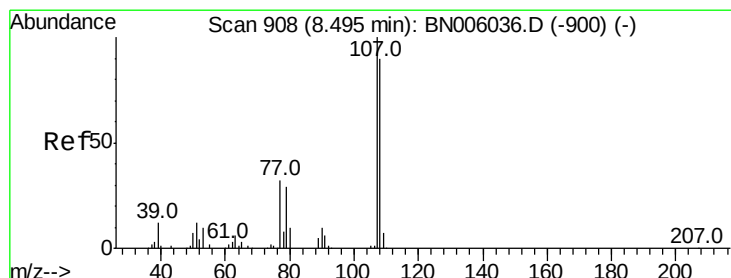
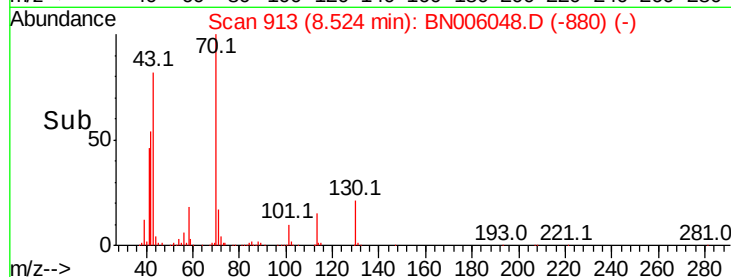
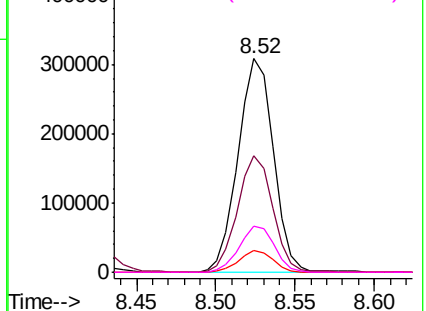


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#16

4-Methylphenol

Concen: 0.083 ng/ul

RT: 8.49 min Scan# 907

Delta R.T. -0.01 min

Lab File: BN006048.D

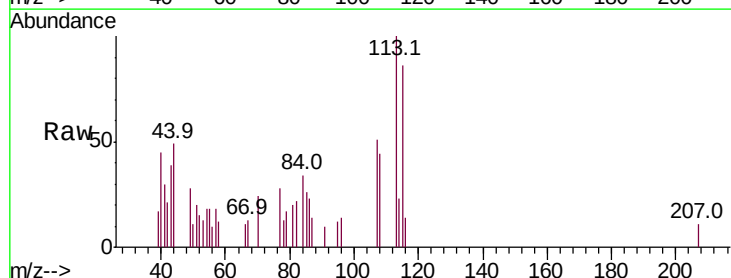
Acq: 03 Jun 2019 21:48

Tgt Ion: 108 Resp: 2183

Ion Ratio Lower Upper

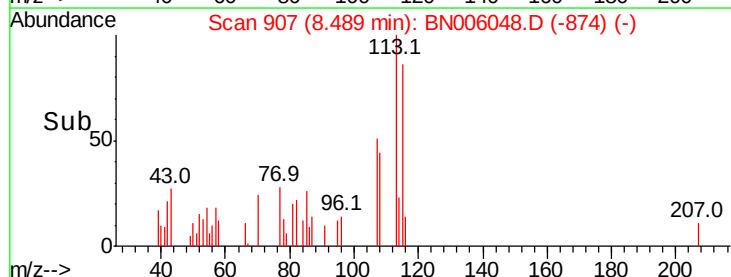
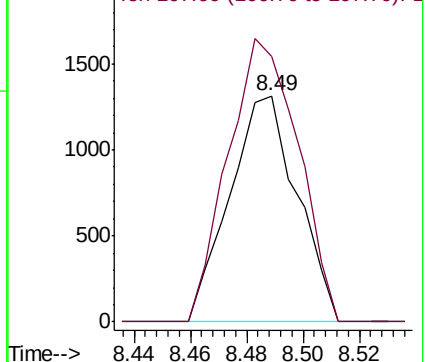
108 100

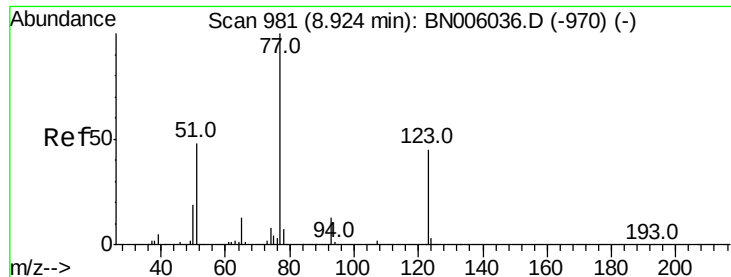
107 117.0 89.2 133.8



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

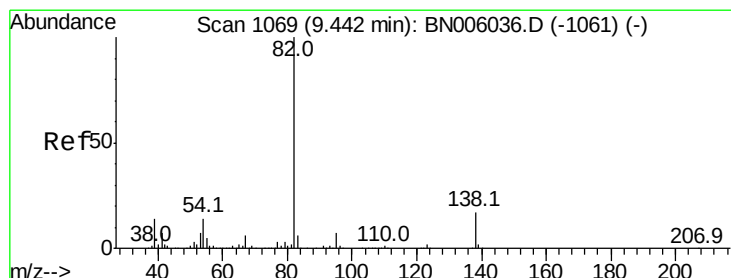
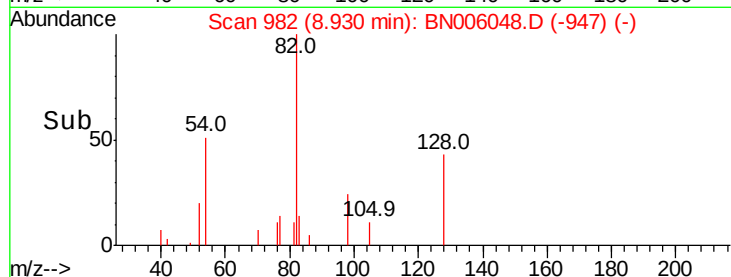
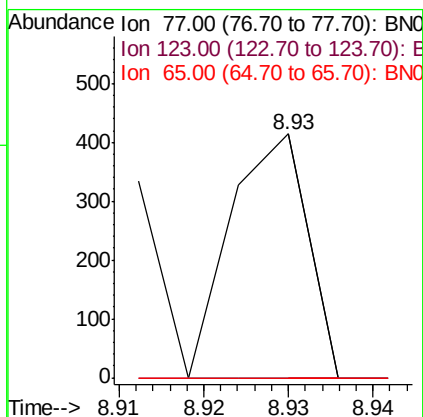
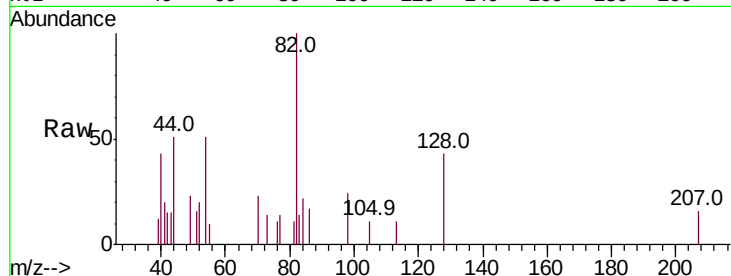




#20
Nitrobenzene
Concen: 0.009 ng/ul
RT: 8.93 min Scan# 982
Delta R.T. 0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

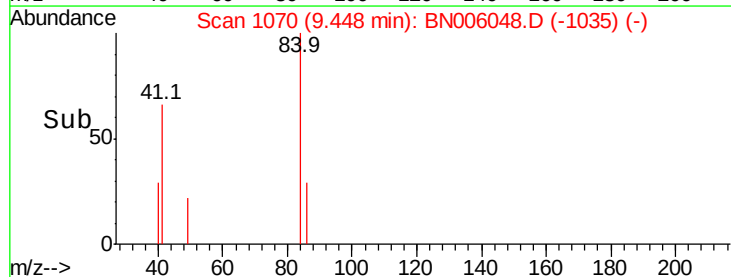
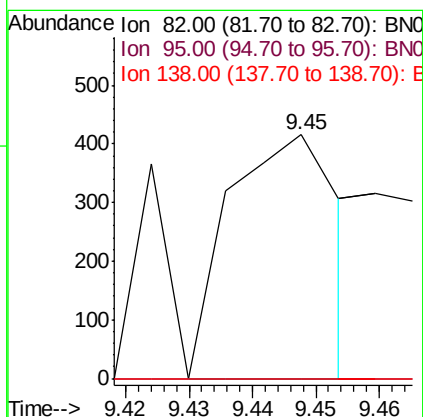
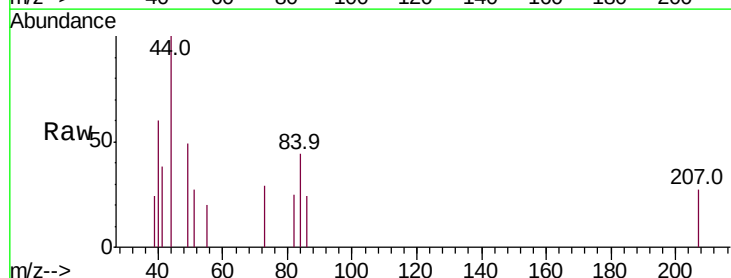
Instrument :
BNA_N
ClientSampleId :

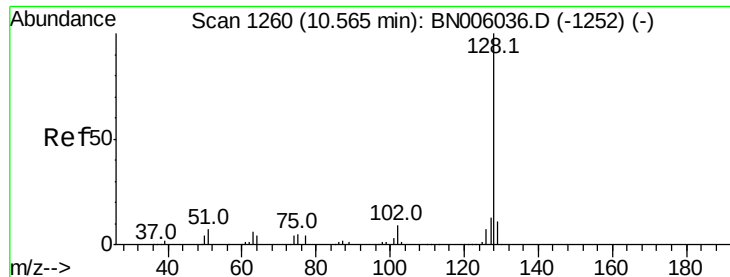
Tot Ion: 77 Resp: 261
Ion Ratio Lower Upper
77 100
123 0.0 35.8 53.8#
65 0.0 10.7 16.1#



#21
Isophorone
Concen: 0.009 ng/ul
RT: 9.45 min Scan# 1070
Delta R.T. 0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Tgt Ion: 82 Resp: 498
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.8 20.6#





#28

Naphthalene

Concen: 0.054 ng/ul

RT: 10.56 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

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ClientSampleId :

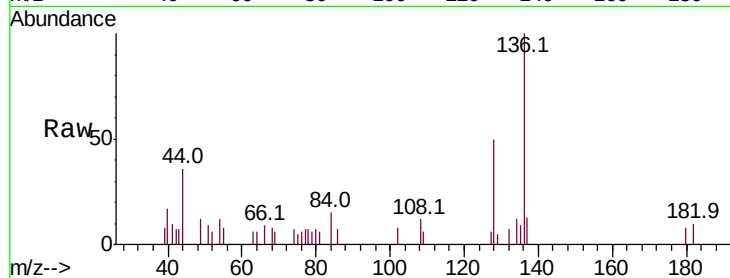
Tot Ion:128 Resp: 4263

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

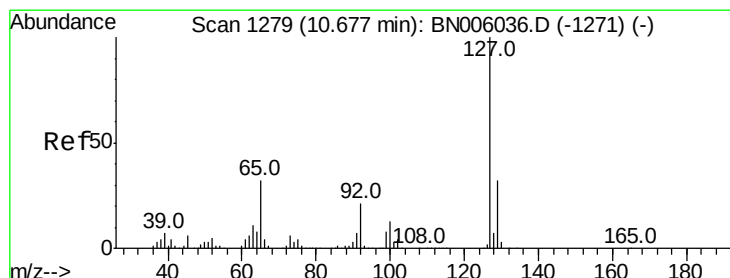
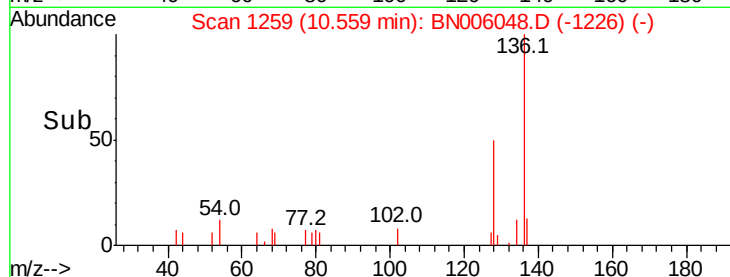
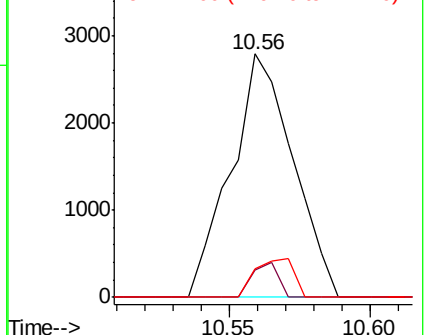
127 11.6 10.6 16.0



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



#30

4-Chloroaniline

Concen: 0.014 ng/ul

RT: 10.57 min Scan# 1261

Delta R.T. -0.11 min

Lab File: BN006048.D

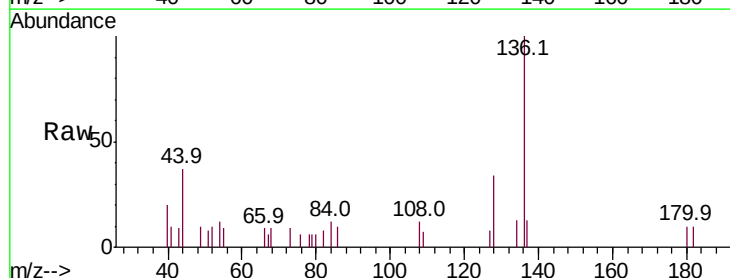
Acq: 03 Jun 2019 21:48

Tgt Ion:127 Resp: 414

Ion Ratio Lower Upper

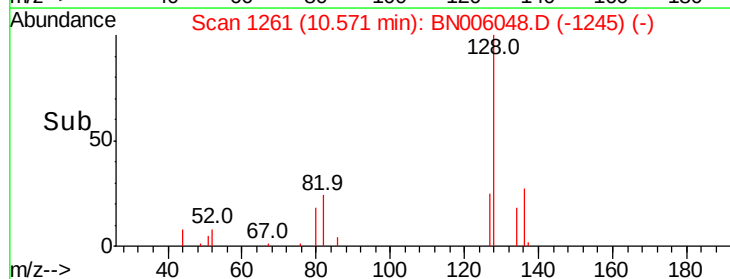
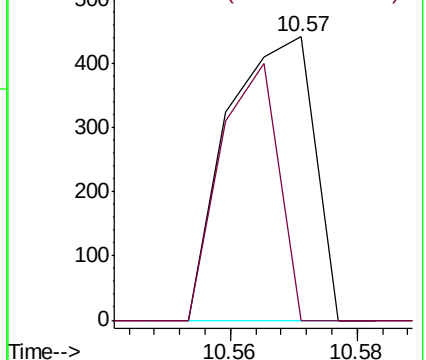
127 100

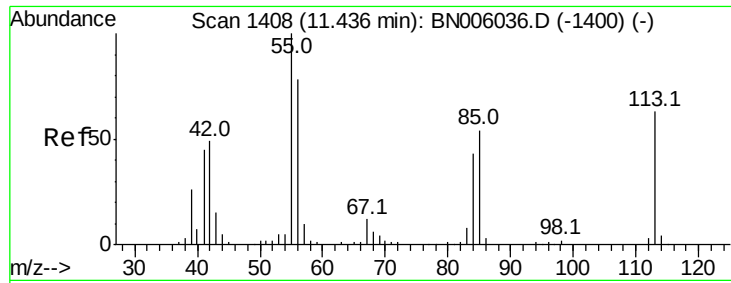
129 0.0 25.8 38.8#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 0.036 ng/ul

RT: 11.49 min Scan# 1417

Delta R.T. 0.05 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampled :

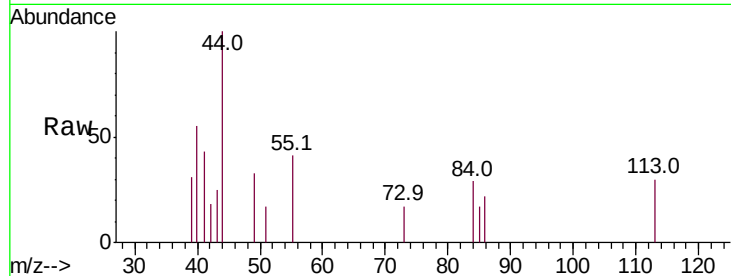
Tot Ion:113 Resp: 320

Ion Ratio Lower Upper

113 100

55 140.1 127.4 191.0

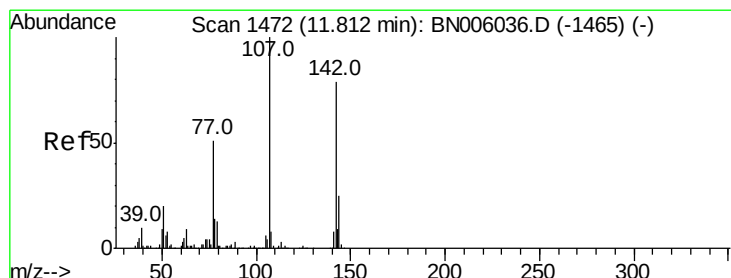
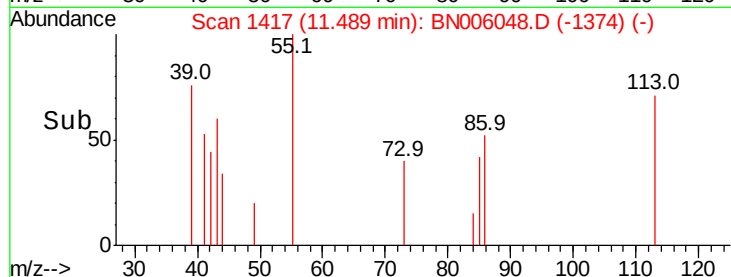
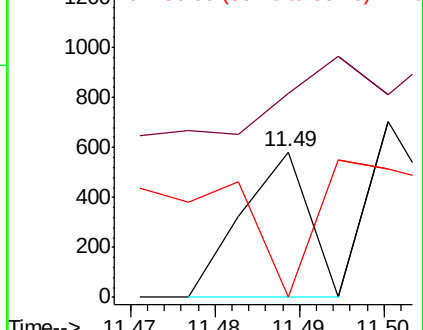
56 0.0 98.9 148.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#33

4-Chloro-3-methylphenol

Concen: 21.927 ng/ul

RT: 11.80 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

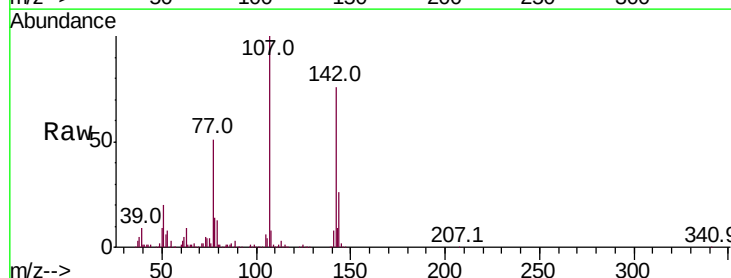
Tgt Ion:107 Resp: 593224

Ion Ratio Lower Upper

107 100

144 25.6 20.0 30.0

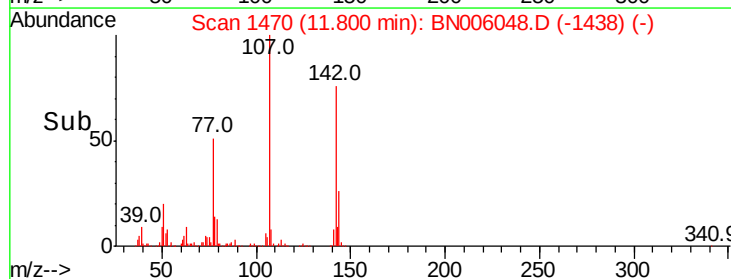
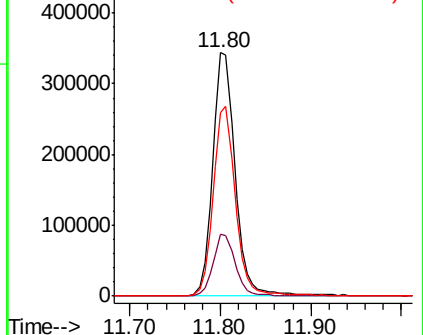
142 75.6 63.1 94.7

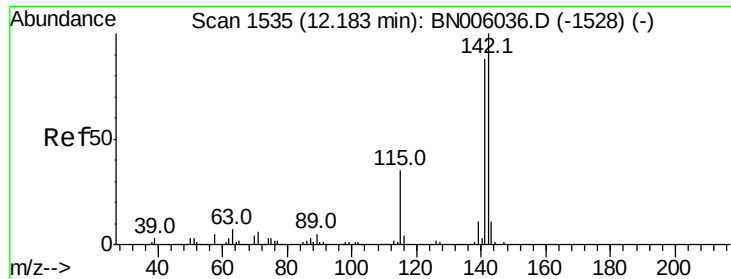


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

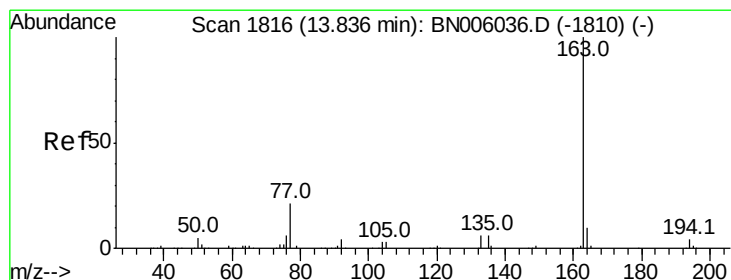
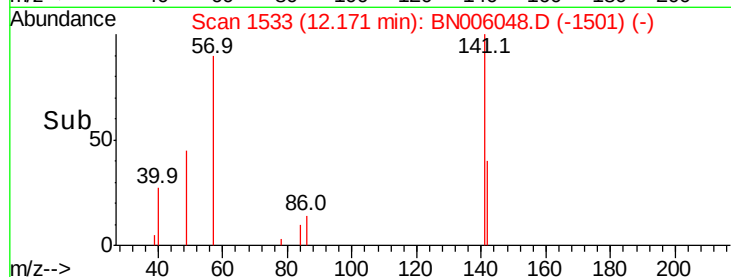
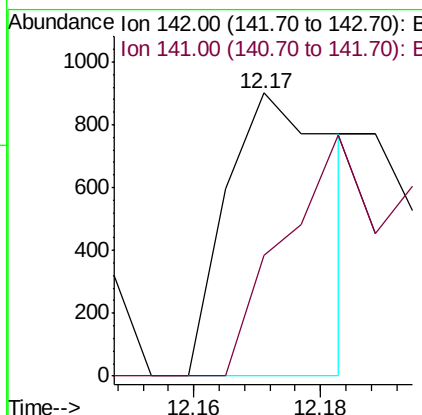
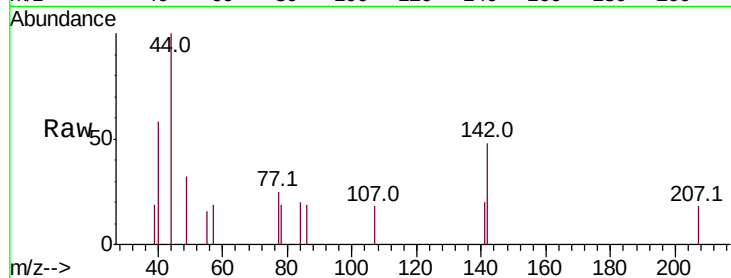




#34
2-Methylnaphthalene
Concen: 0.019 ng/ul
RT: 12.17 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

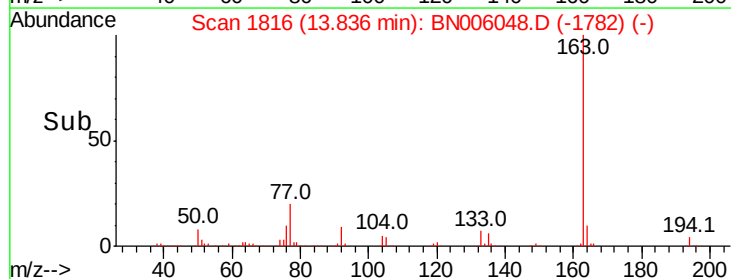
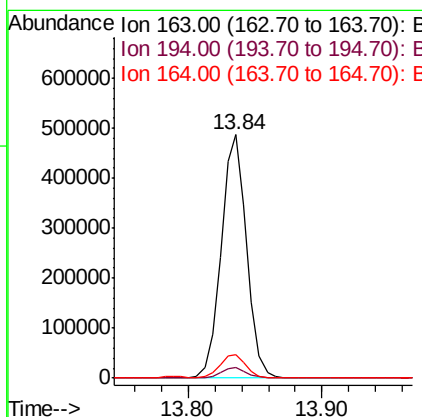
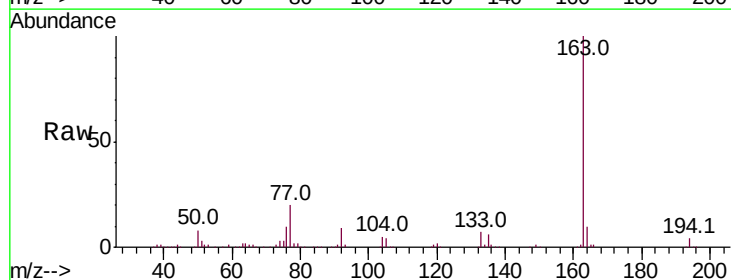
Instrument :
BNA_N
ClientSampleId :

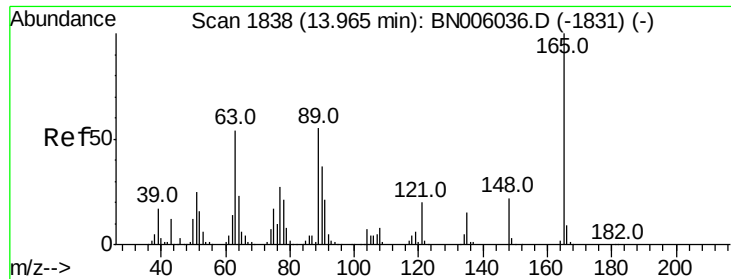
Tot Ion:142 Resp: 1073
Ion Ratio Lower Upper
142 100
141 42.5 70.4 105.6#



#44
Dimethylphthalate
Concen: 9.524 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Tgt Ion:163 Resp: 647117
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.6 8.2 12.4

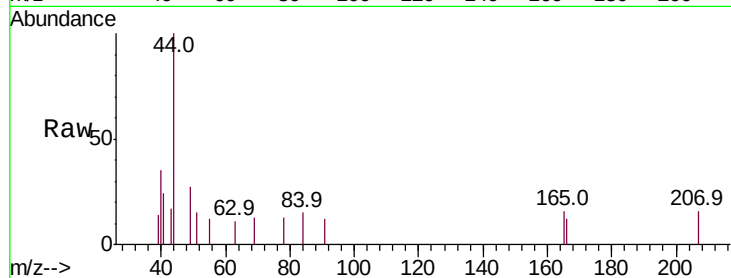




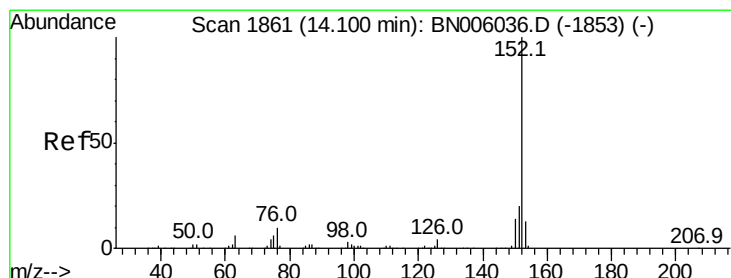
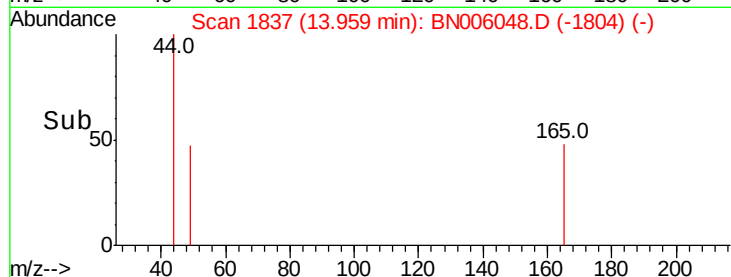
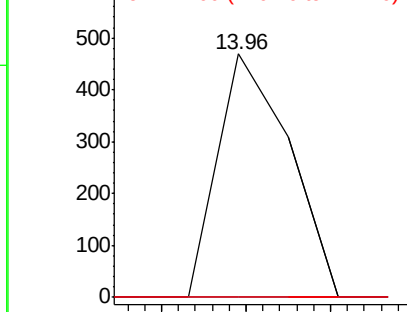
#45
 2,6-Dinitrotoluene
 Concen: 0.019 ng/ul
 RT: 13.96 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BN006048.D
 Acq: 03 Jun 2019 21:48

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
89	0.0	44.2	66.2#
121	0.0	15.6	23.4#

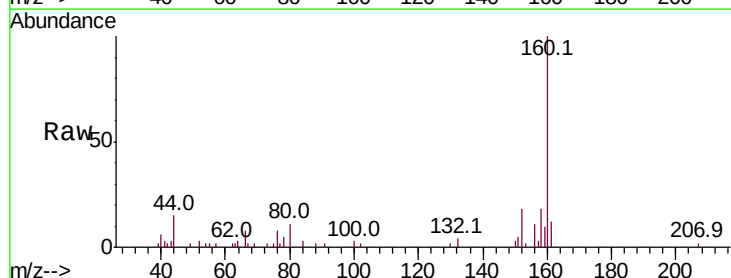


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BNO
 Ion 121.00 (120.70 to 121.70): E

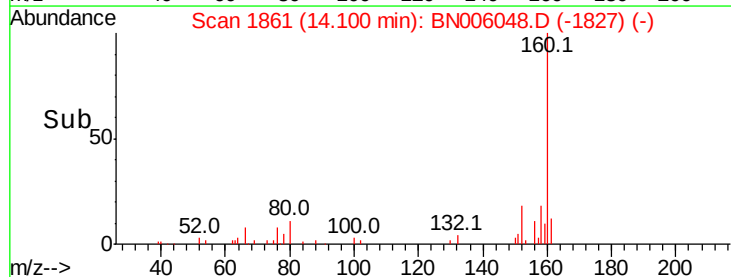
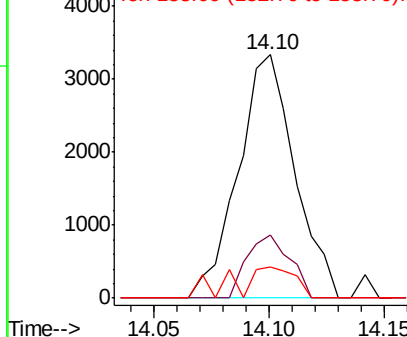


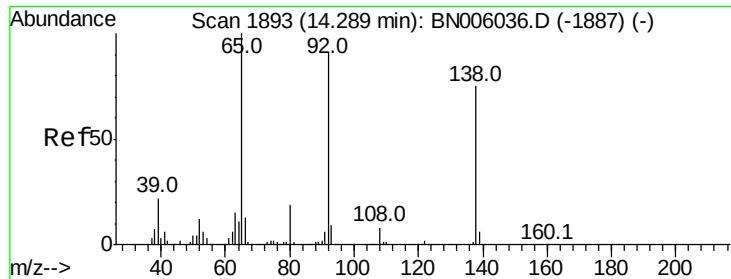
#47
 Acenaphthylene
 Concen: 0.066 ng/ul
 RT: 14.10 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: BN006048.D
 Acq: 03 Jun 2019 21:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.9	16.2	24.2#
153	12.6	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





#48

3-Nitroaniline

Concen: 0.081 ng/ul

RT: 14.44 min Scan# 1919

Delta R.T. 0.15 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

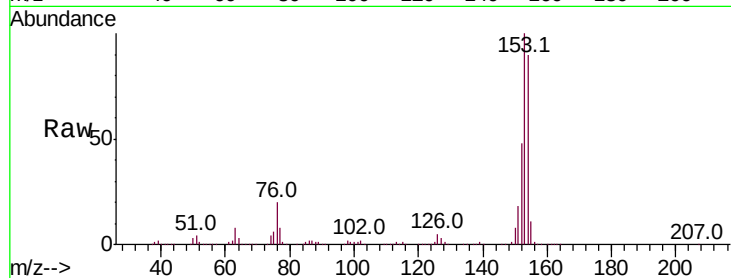
Tot Ion:138 Resp: 1188

Ion Ratio Lower Upper

138 100

108 0.0 9.0 13.6#

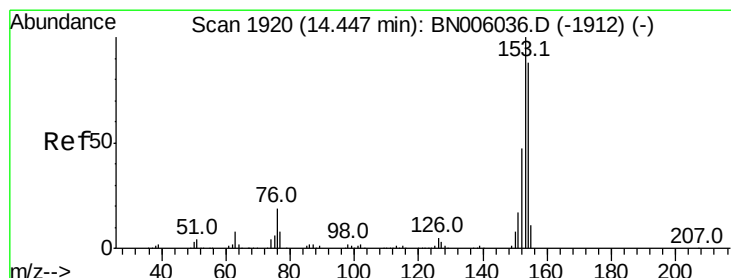
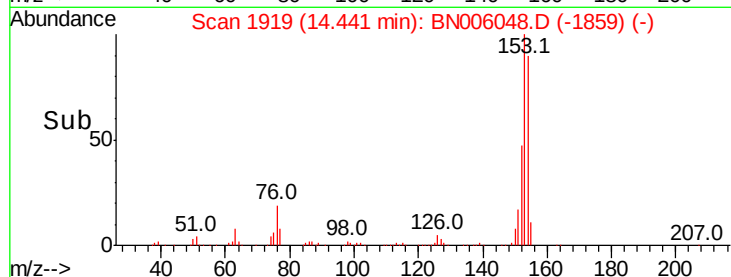
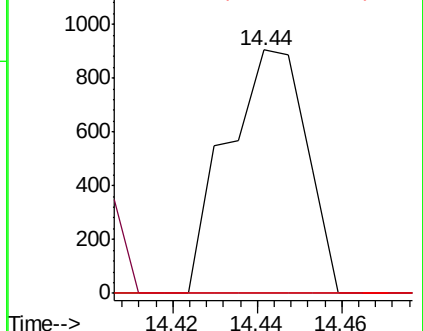
92 0.0 97.2 145.8#



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): BNC



#49

Acenaphthene

Concen: 24.230 ng/ul

RT: 14.44 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

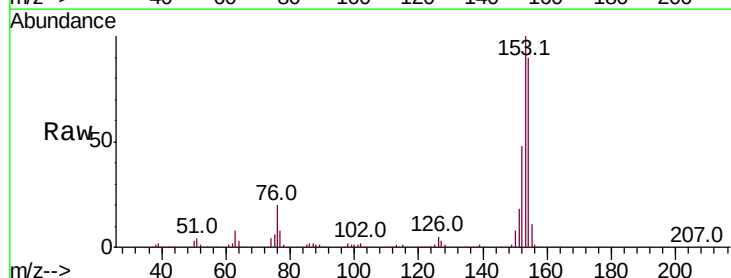
Tgt Ion:153 Resp: 1416462

Ion Ratio Lower Upper

153 100

152 47.7 37.4 56.2

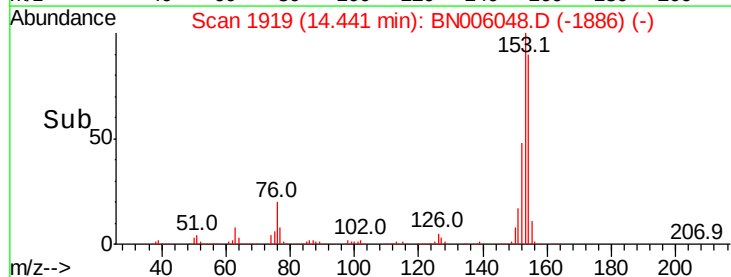
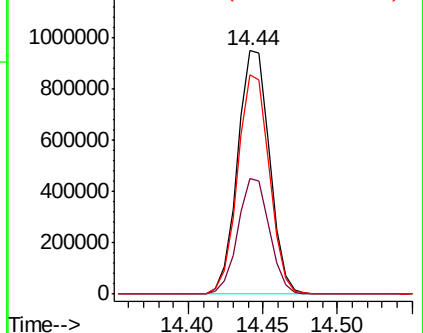
154 90.3 70.7 106.1

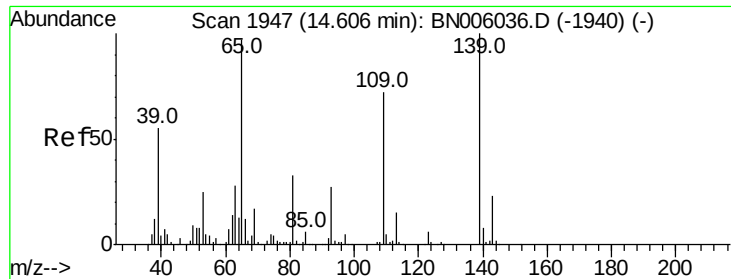


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 19.740 ng/ul

RT: 14.60 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampled :

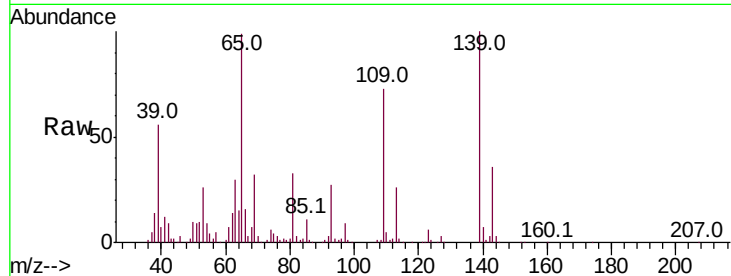
Tot Ion:109 Resp: 189208

Ion Ratio Lower Upper

109 100

139 136.4 111.8 167.6

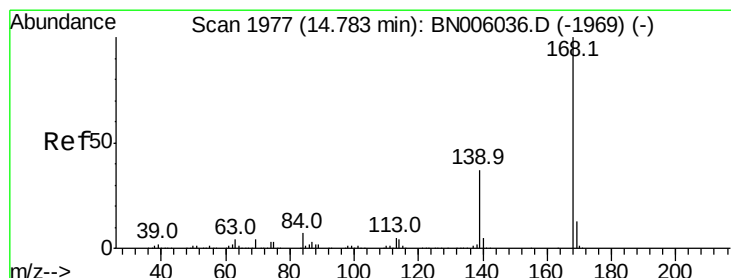
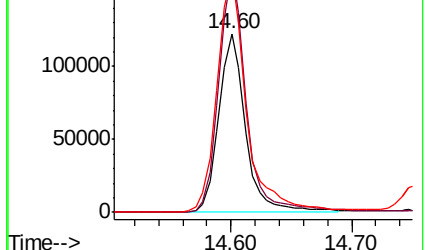
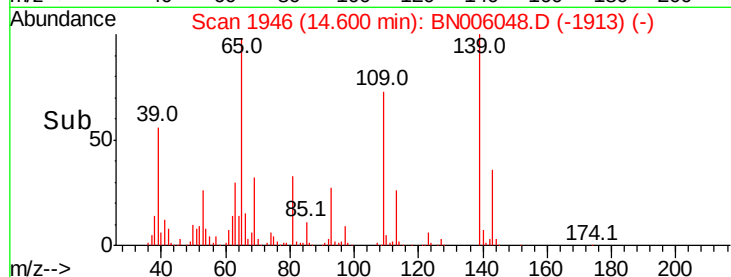
65 134.4 108.5 162.7



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: 0.029 ng/ul

RT: 14.78 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN006048.D

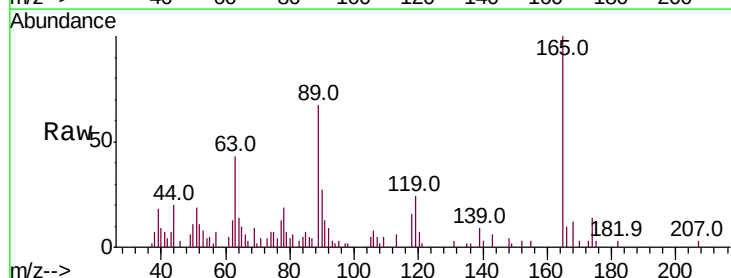
Acq: 03 Jun 2019 21:48

Tgt Ion:168 Resp: 2374

Ion Ratio Lower Upper

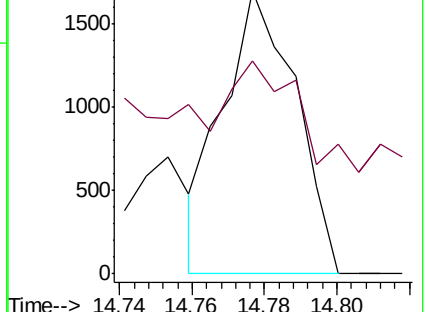
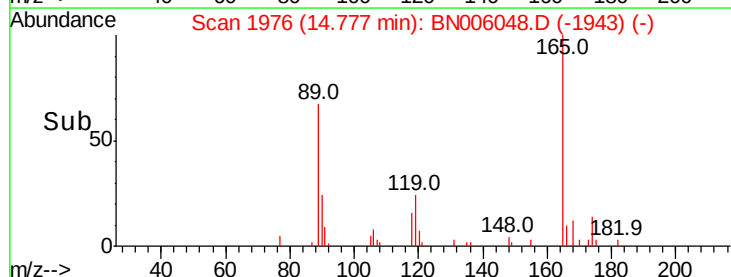
168 100

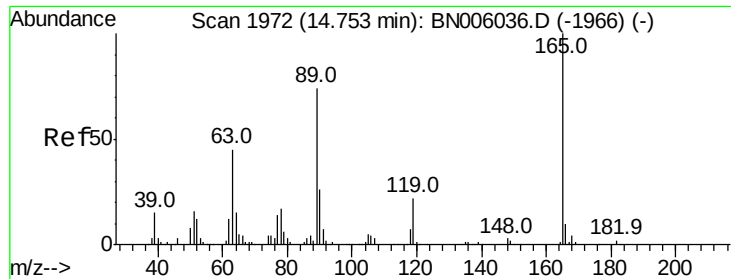
139 75.3 29.8 44.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

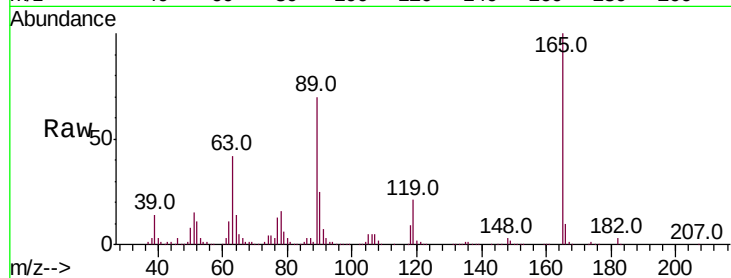




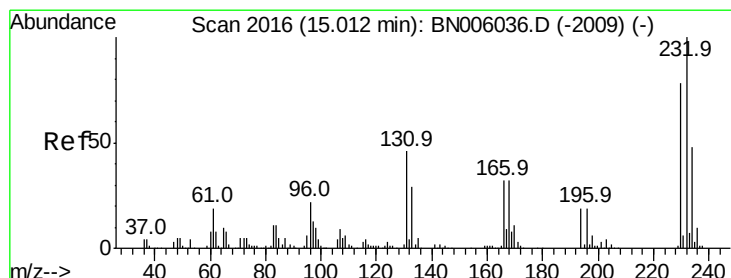
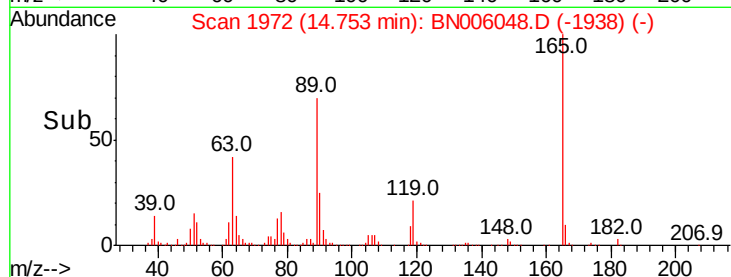
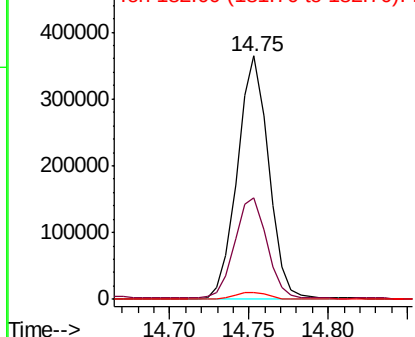
#54
2,4-Dinitrotoluene
Concen: 25.321 ng/ul
RT: 14.75 min Scan# 1972
Delta R.T. 0.00 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Instrument :
BNA_N
ClientSampled :

Tot Ion:165 Resp: 501314
Ion Ratio Lower Upper
165 100
63 41.7 36.0 54.0
182 2.7 2.4 3.6

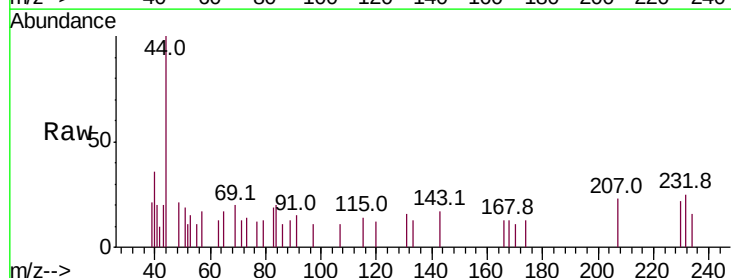


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 182.00 (181.70 to 182.70): E

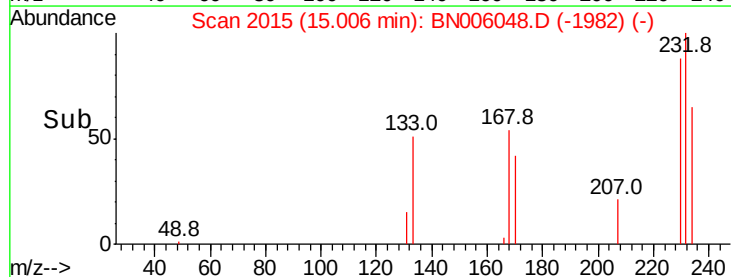
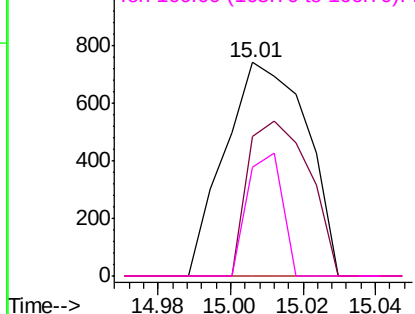


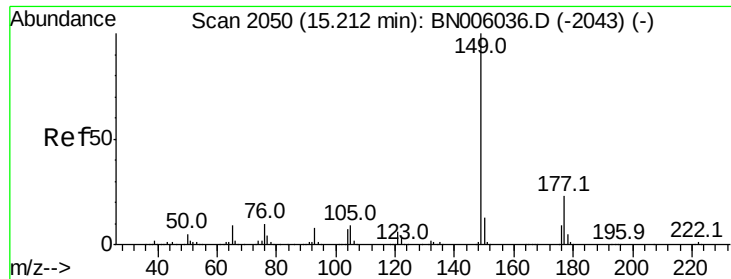
#55
2,3,4,6-Tetrachlorophenol
Concen: 0.072 ng/ul
RT: 15.01 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Tgt Ion:232 Resp: 1166
Ion Ratio Lower Upper
232 100
131 65.3 36.9 55.3#
130 0.0 1.8 2.8#
166 50.7 25.9 38.9#



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

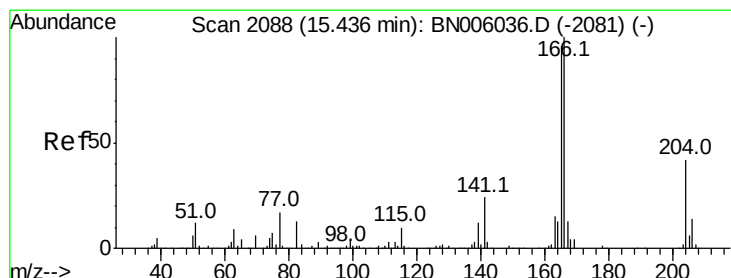
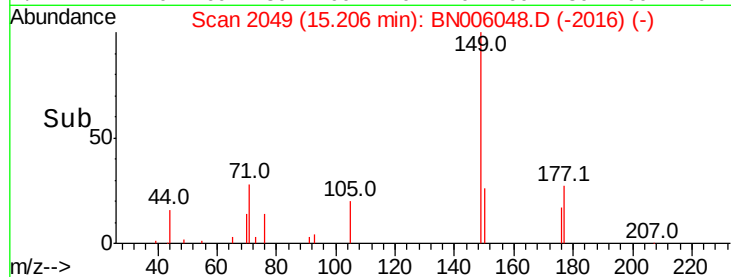
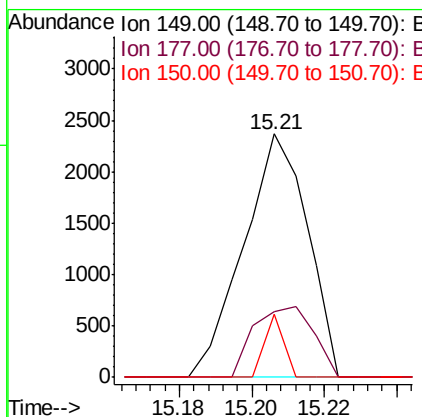
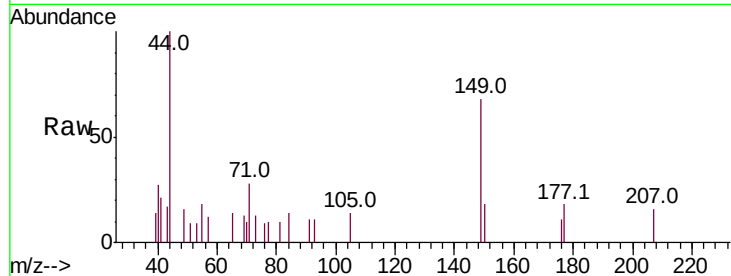




#56
Diethylphthalate
Concen: 0.043 ng/ul
RT: 15.21 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

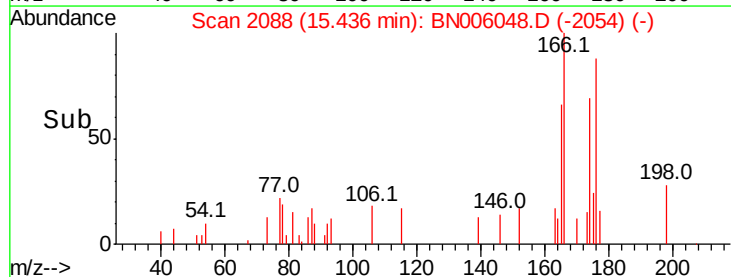
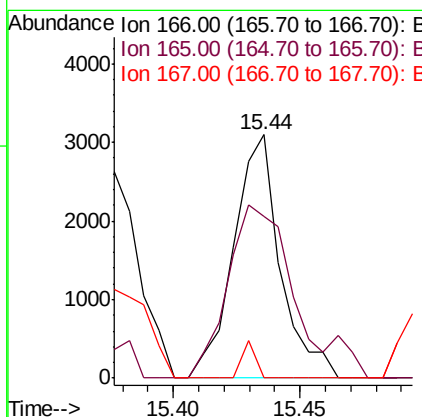
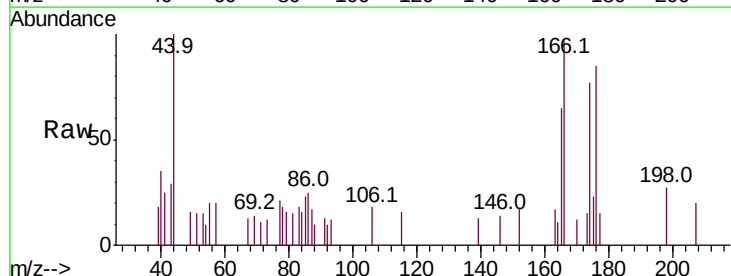
Instrument :
BNA_N
ClientSampleId :

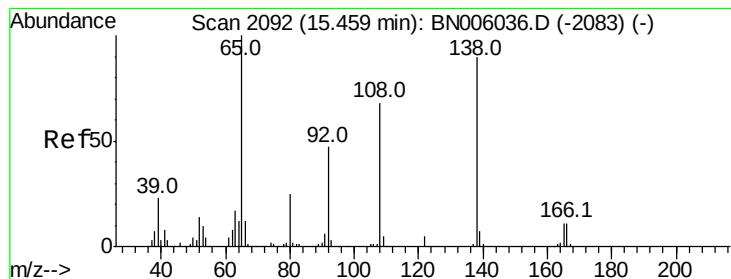
Tot Ion:149 Resp: 2901
Ion Ratio Lower Upper
149 100
177 27.1 18.4 27.6
150 26.1 10.1 15.1#



#58
Fluorene
Concen: 0.062 ng/ul
RT: 15.44 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Tgt Ion:166 Resp: 3972
Ion Ratio Lower Upper
166 100
165 66.4 76.6 115.0#
167 0.0 10.8 16.2#





#60

4-Nitroaniline

Concen: 0.036 ng/ul

RT: 15.50 min Scan# 2099

Delta R.T. 0.04 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

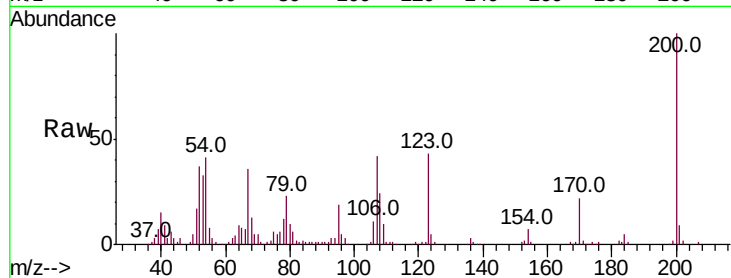
Tot Ion:138 Resp: 603

Ion Ratio Lower Upper

138 100

92 302.4 41.7 62.5#

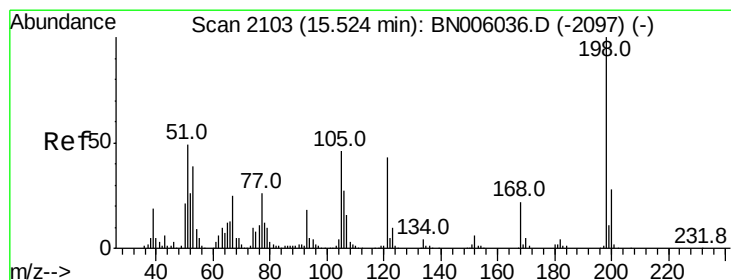
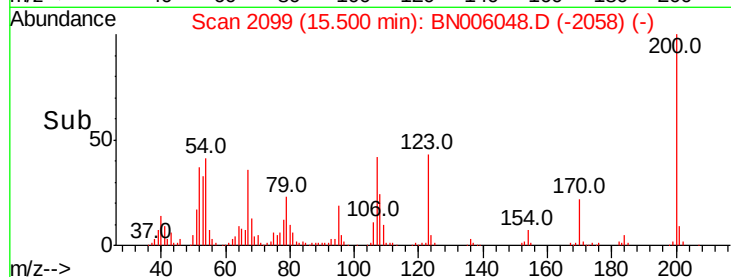
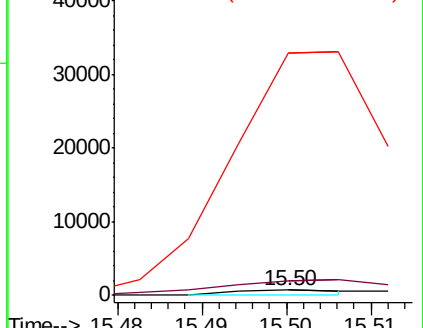
108 4906.4 61.0 91.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNO

Ion 108.00 (107.70 to 108.70): E



#63

4,6-Dinitro-2-methylphenol

Concen: 0.064 ng/ul

RT: 15.51 min Scan# 2100

Delta R.T. -0.02 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

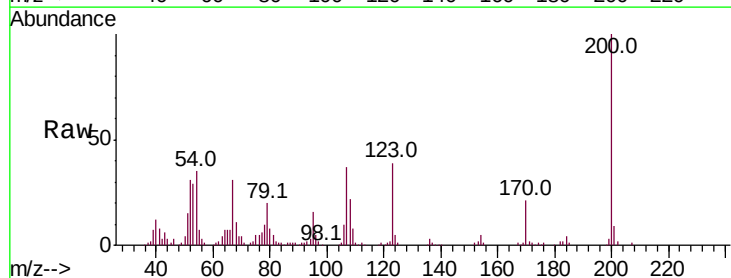
Tgt Ion:198 Resp: 621

Ion Ratio Lower Upper

198 100

182 399.1 3.1 4.7#

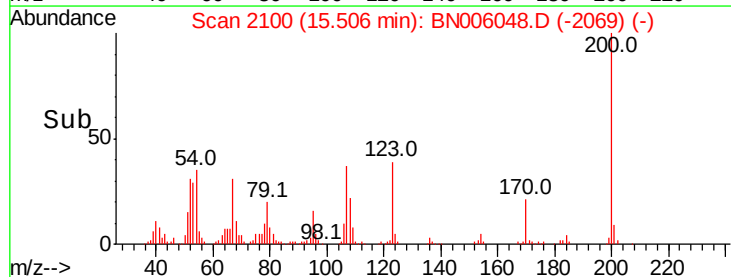
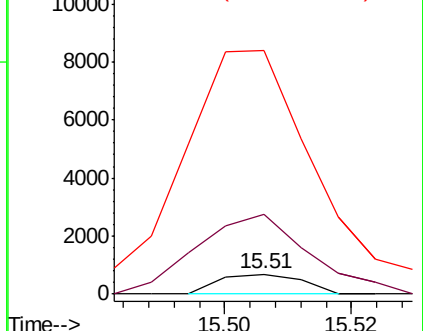
77 1215.7 21.5 32.3#

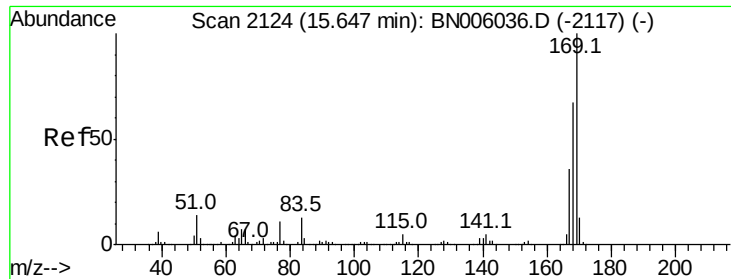


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNO

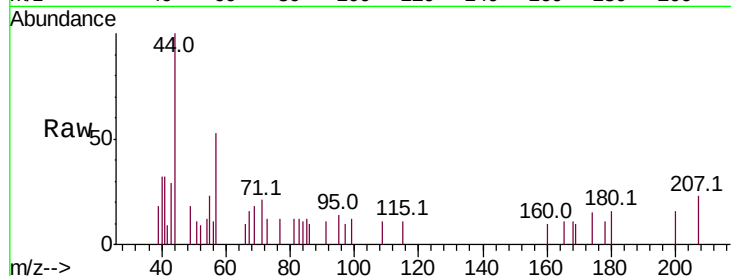




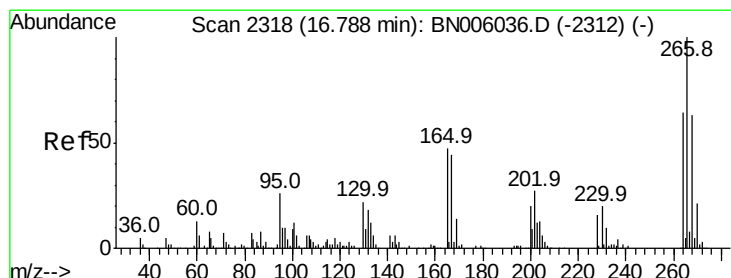
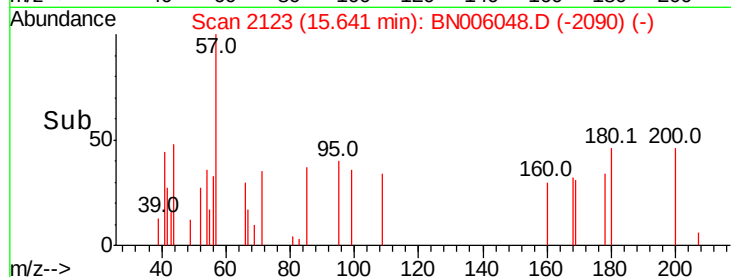
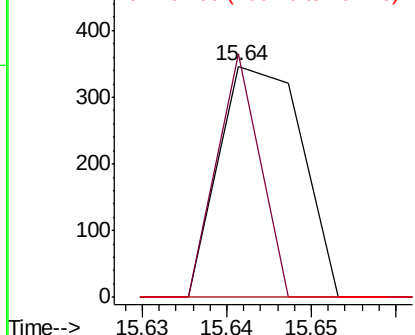
#64
N-Nitrosodiphenylamine
Concen: 0.004 ng/ul
RT: 15.64 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:169 Resp: 235
Ion Ratio Lower Upper
169 100
168 105.5 53.4 80.2#
167 0.0 28.6 42.8#

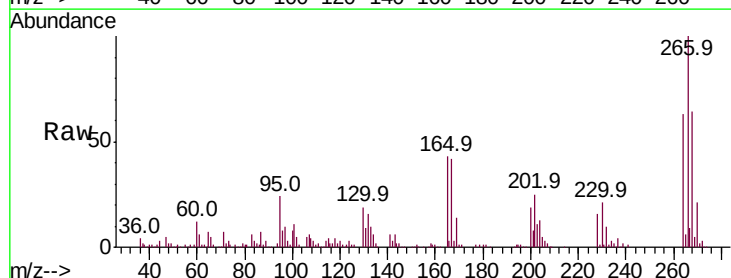


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

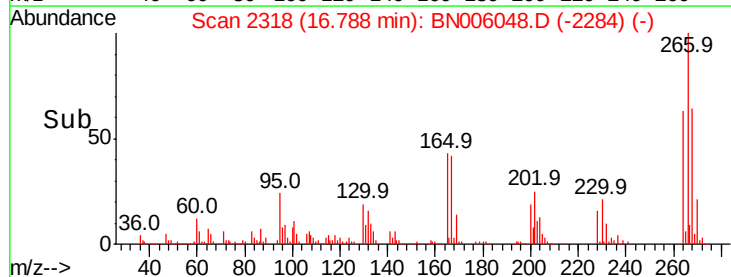
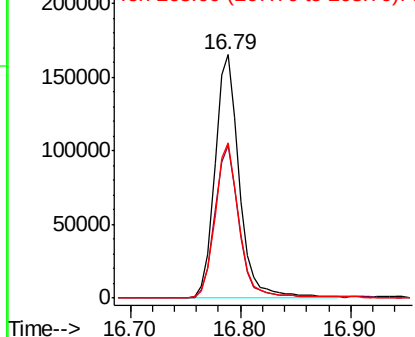


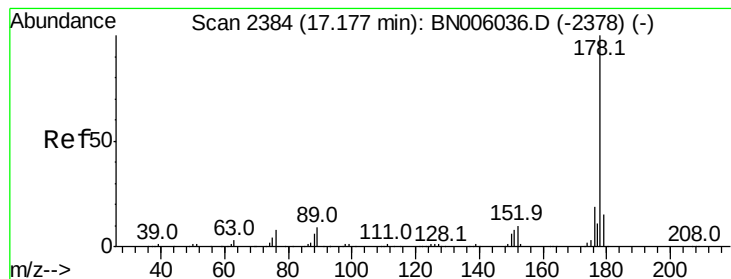
#68
Pentachlorophenol
Concen: 21.963 ng/ul
RT: 16.79 min Scan# 2318
Delta R.T. 0.00 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Tgt Ion:266 Resp: 253765
Ion Ratio Lower Upper
266 100
264 62.9 50.8 76.2
268 63.7 50.7 76.1



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: 0.817 ng/ul

RT: 17.18 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

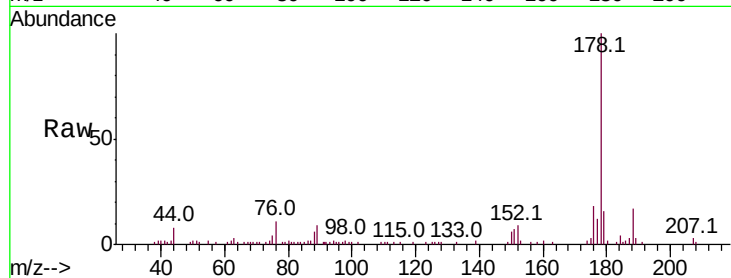
Tot Ion:178 Resp: 77934

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

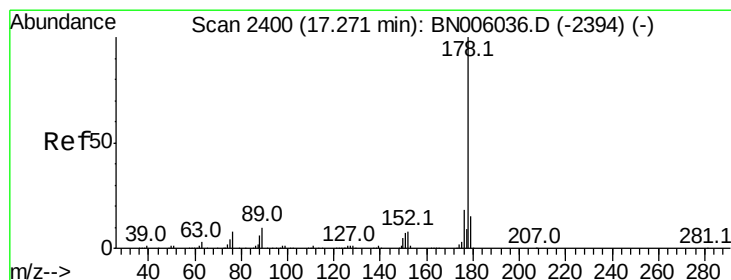
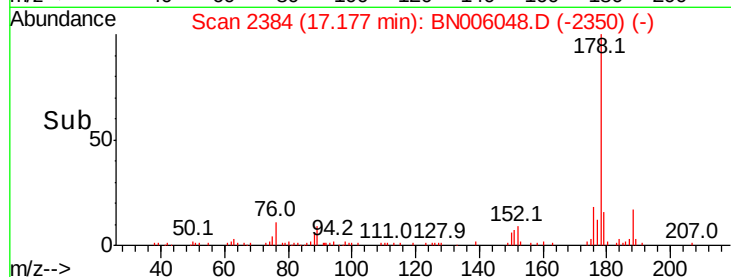
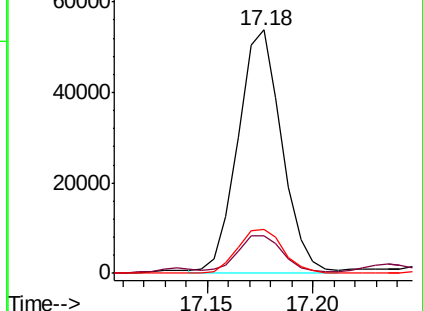
176 17.8 15.0 22.4



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: 0.162 ng/ul

RT: 17.26 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

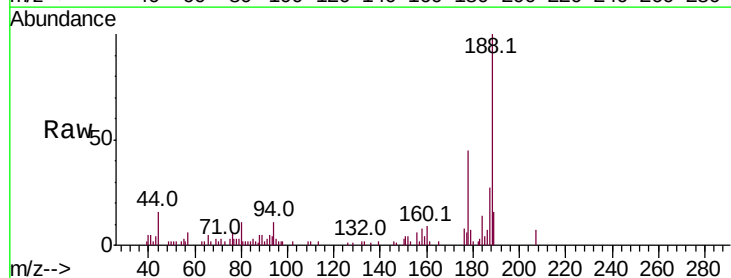
Tgt Ion:178 Resp: 15704

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

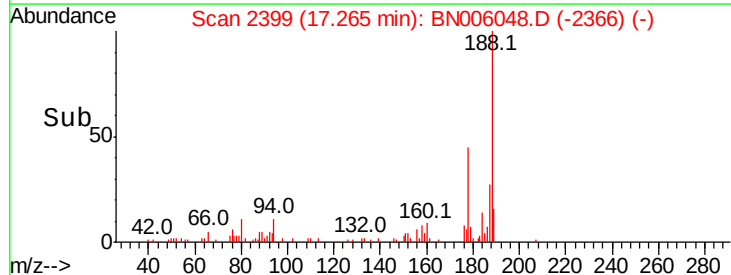
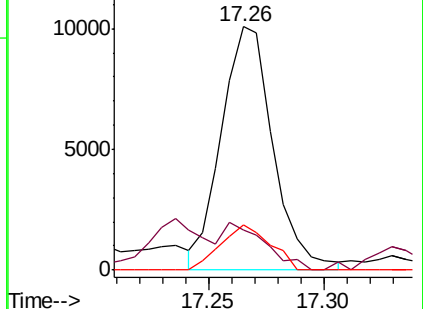
176 18.7 14.8 22.2

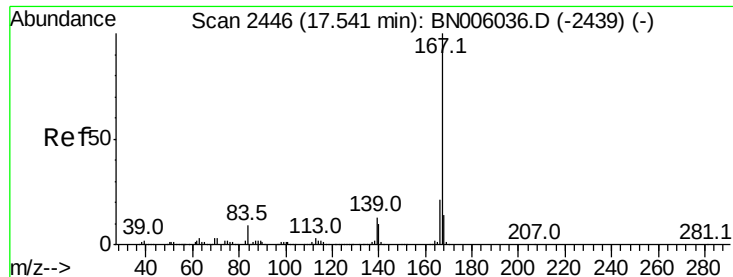


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 0.091 ng/ul

RT: 17.54 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

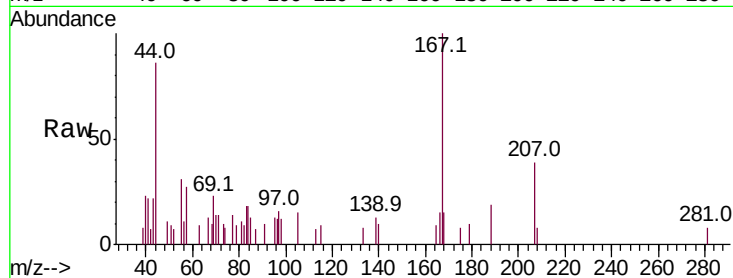
Tot Ion:167 Resp: 7616

Ion Ratio Lower Upper

167 100

166 15.1 17.0 25.6#

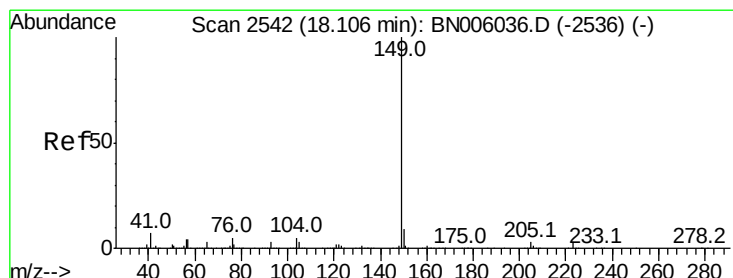
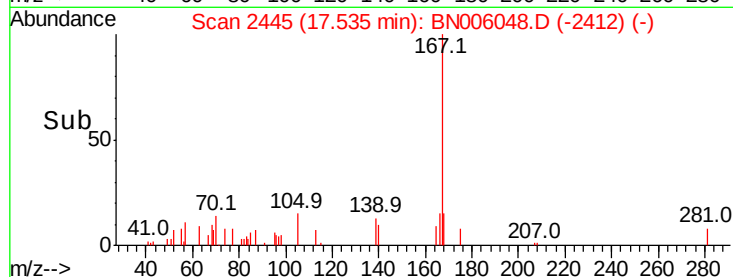
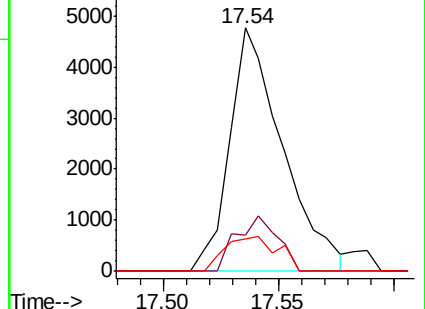
139 13.5 10.4 15.6



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: 0.082 ng/ul

RT: 18.11 min Scan# 2542

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

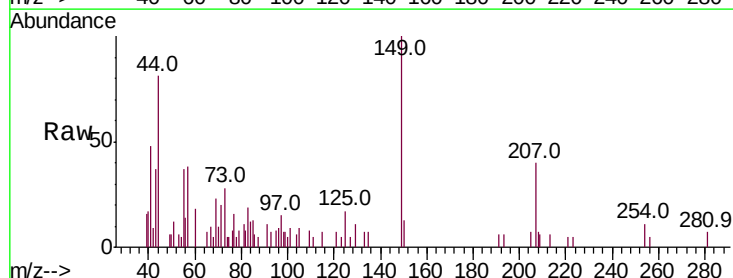
Tgt Ion:149 Resp: 8746

Ion Ratio Lower Upper

149 100

150 13.0 7.4 11.2#

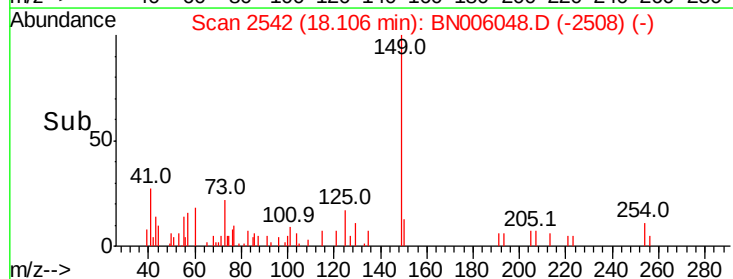
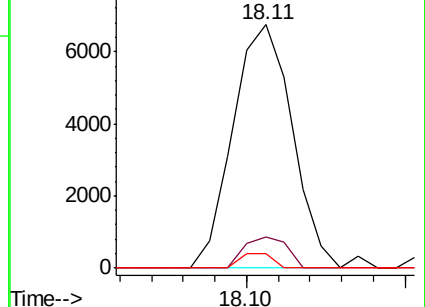
104 6.2 4.2 6.2

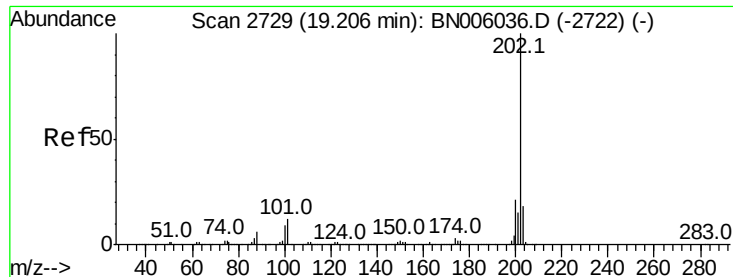


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 1.806 ng/ul

RT: 19.20 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

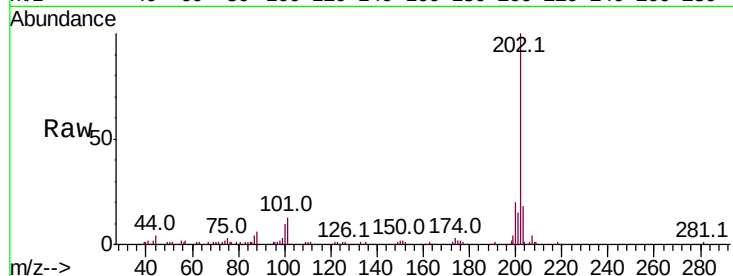
Tot Ion:202 Resp: 167774

Ion Ratio Lower Upper

202 100

101 12.5 9.6 14.4

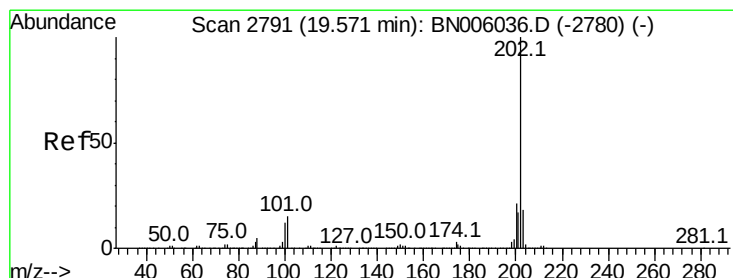
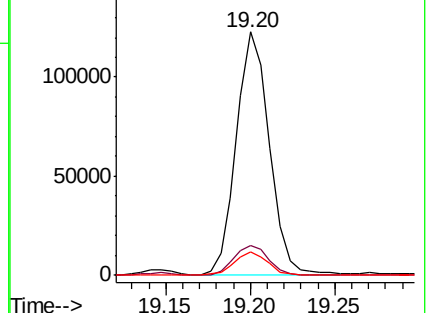
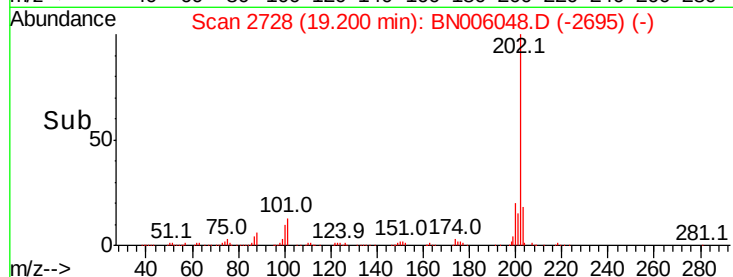
100 9.9 7.1 10.7



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: 26.493 ng/ul

RT: 19.57 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

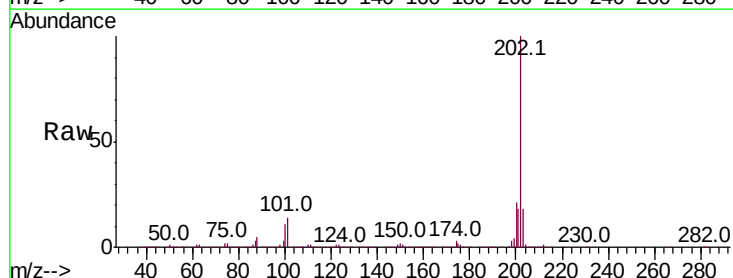
Tgt Ion:202 Resp: 2661610

Ion Ratio Lower Upper

202 100

101 14.3 11.6 17.4

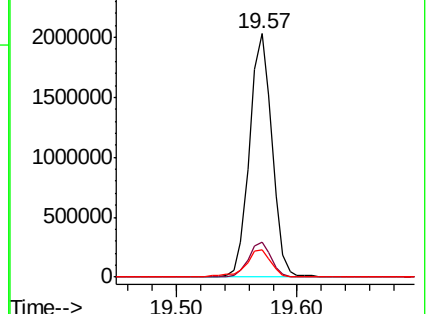
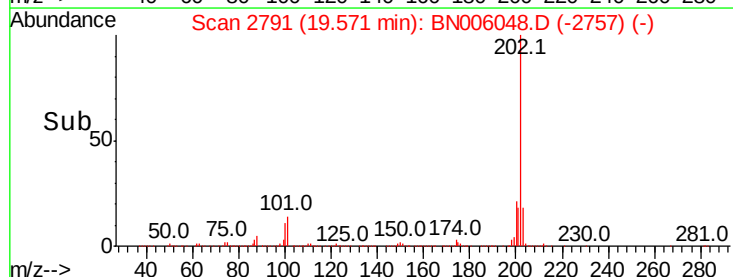
100 11.3 9.4 14.2

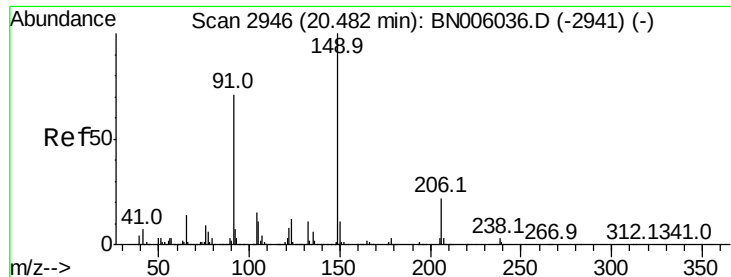


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

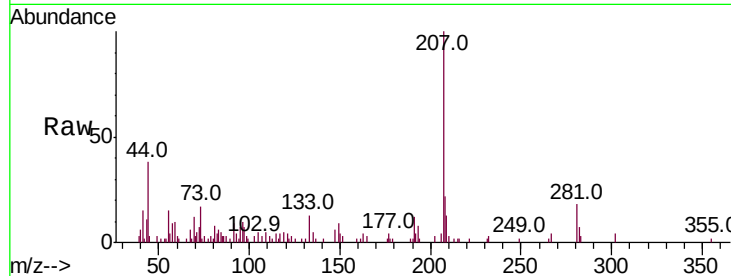




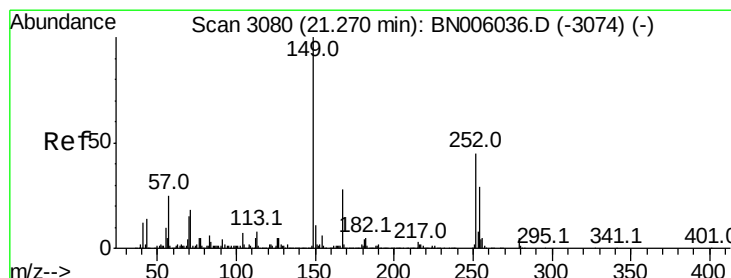
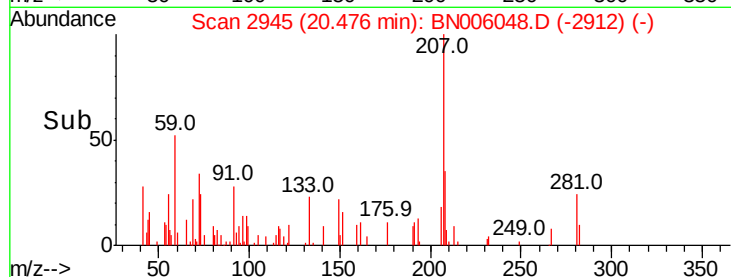
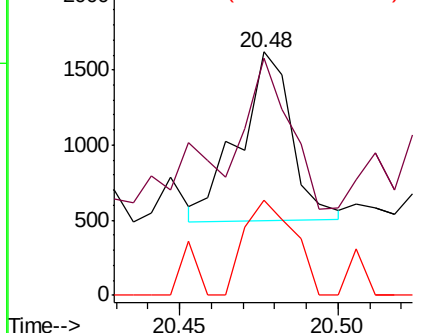
#80
Butylbenzylphthalate
Concen: 0.028 ng/ul
RT: 20.48 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:149 Resp: 1288
Ion Ratio Lower Upper
149 100
91 97.4 57.0 85.6#
206 39.0 17.4 26.2#

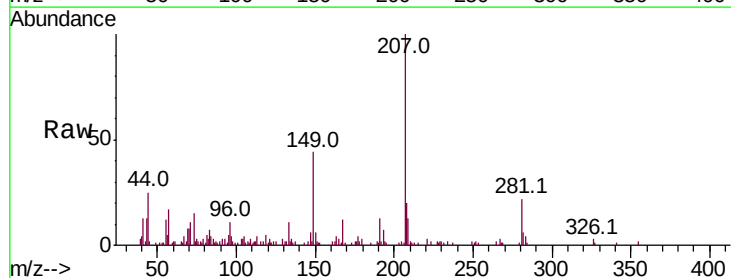


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BNO
Ion 206.00 (205.70 to 206.70): E

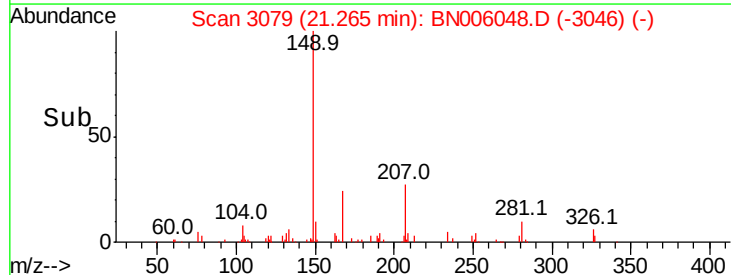
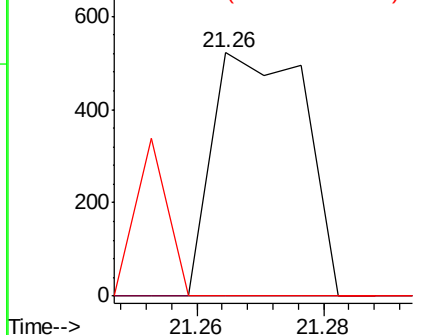


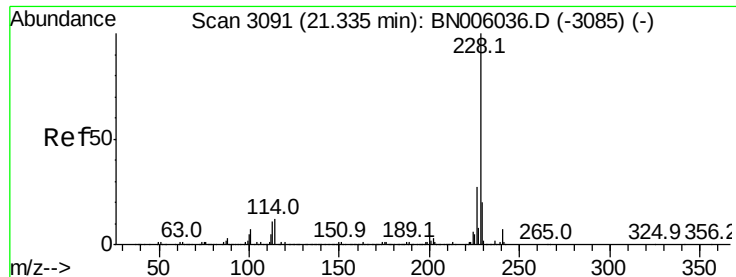
#81
3,3'-Dichlorobenzidine
Concen: 0.020 ng/ul
RT: 21.26 min Scan# 3079
Delta R.T. -0.01 min
Lab File: BN006048.D
Acq: 03 Jun 2019 21:48

Tgt Ion:252 Resp: 526
Ion Ratio Lower Upper
252 100
254 0.0 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: 0.792 ng/ul

RT: 21.34 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

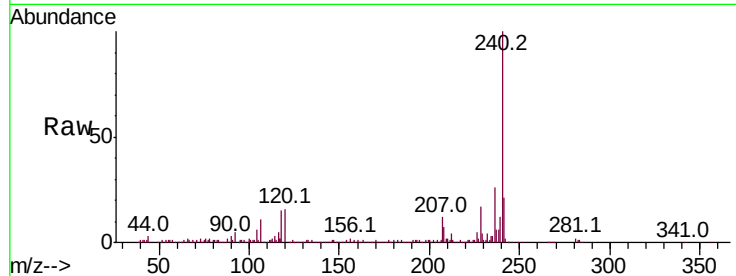
Tot Ion:228 Resp: 68207

Ion Ratio Lower Upper

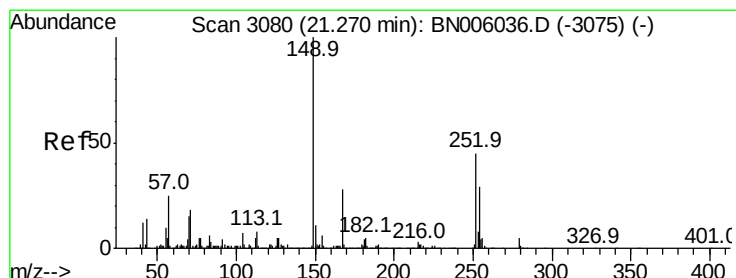
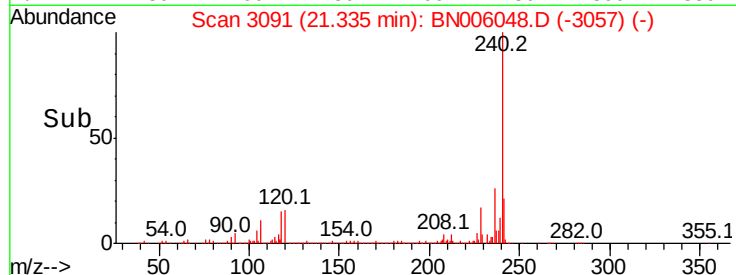
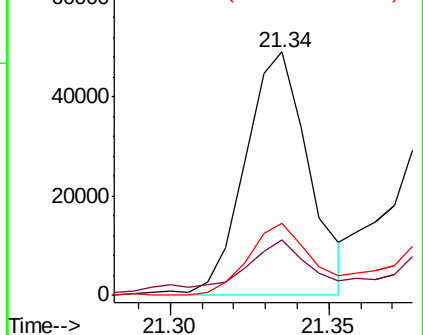
228 100

229 22.8 15.8 23.8

226 29.8 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: 0.229 ng/ul

RT: 21.26 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

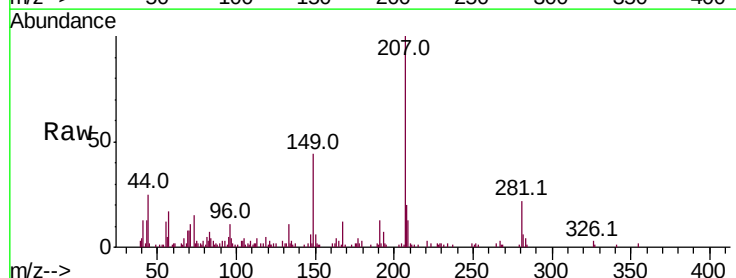
Tgt Ion:149 Resp: 14287

Ion Ratio Lower Upper

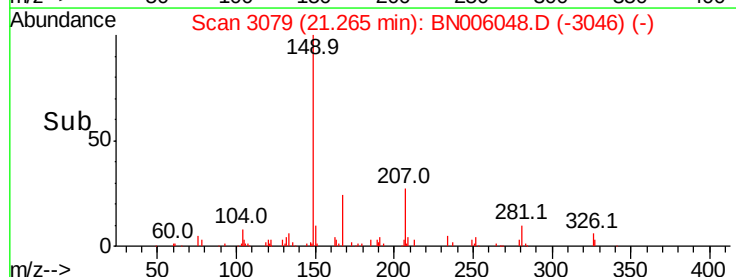
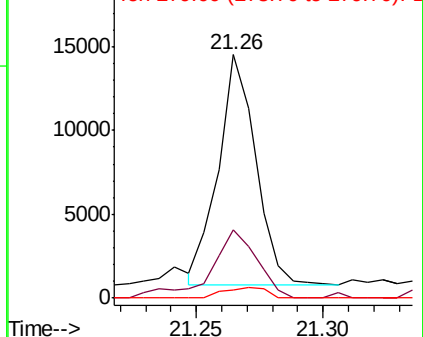
149 100

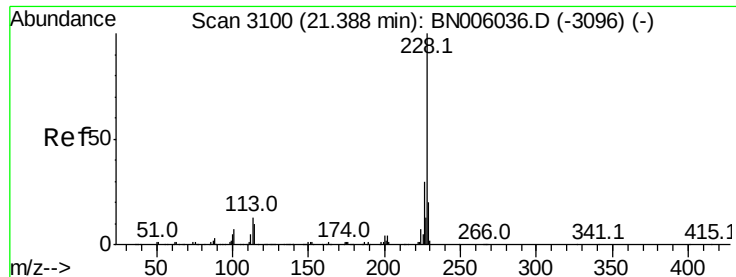
167 28.2 22.5 33.7

279 3.2 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: 0.967 ng/ul

RT: 21.38 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

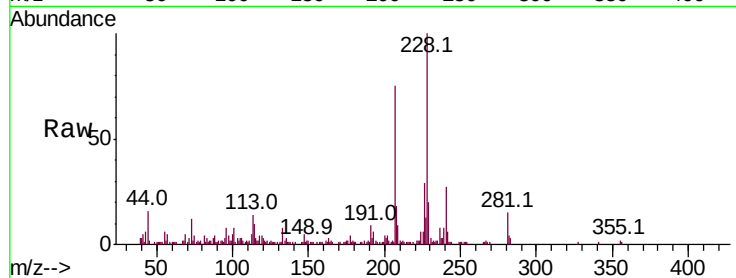
Tot Ion:228 Resp: 78772

Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.4

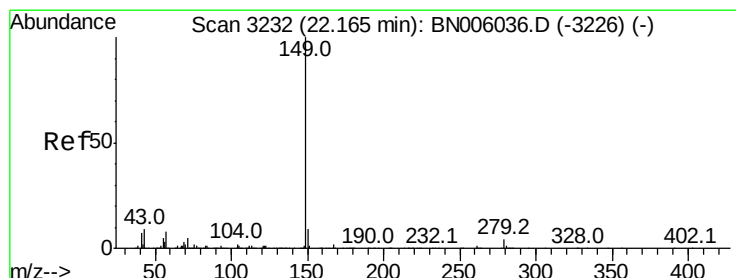
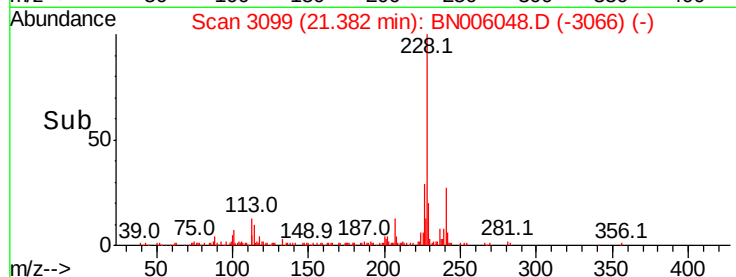
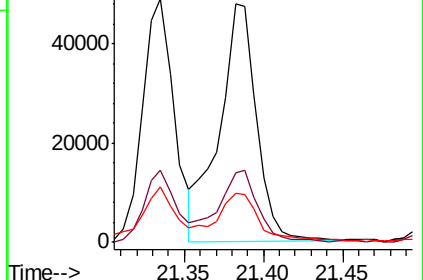
229 20.4 16.3 24.5



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: 0.008 ng/ul

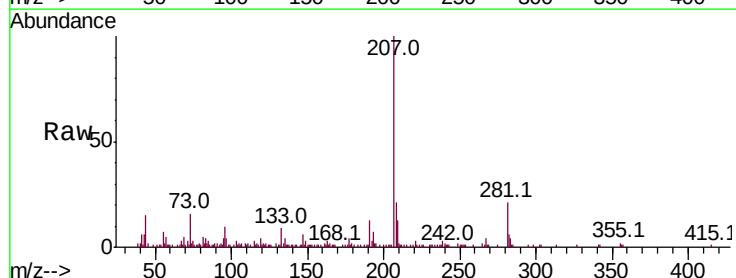
RT: 22.16 min Scan# 3231

Delta R.T. -0.01 min

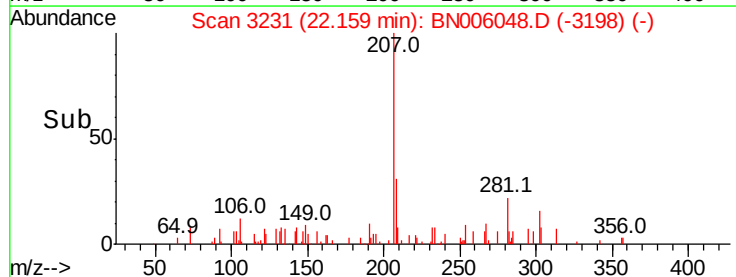
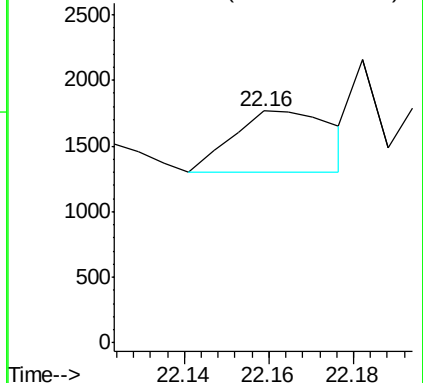
Lab File: BN006048.D

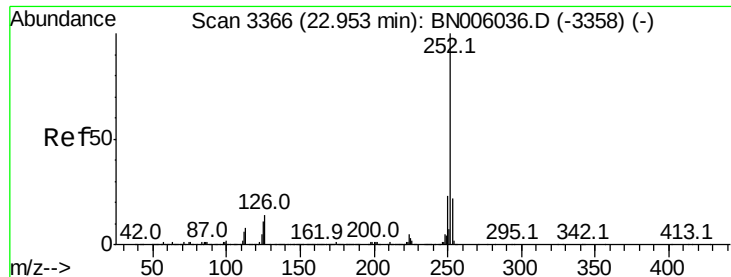
Acq: 03 Jun 2019 21:48

Tgt Ion:149 Resp: 771



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 1.175 ng/ul

RT: 22.95 min Scan# 3366

Delta R.T. 0.00 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampled :

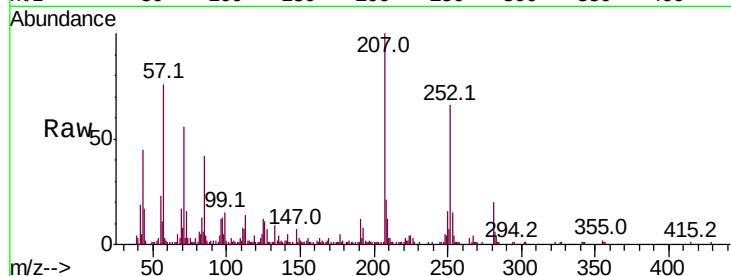
Tot Ion:252 Resp: 93636

Ion Ratio Lower Upper

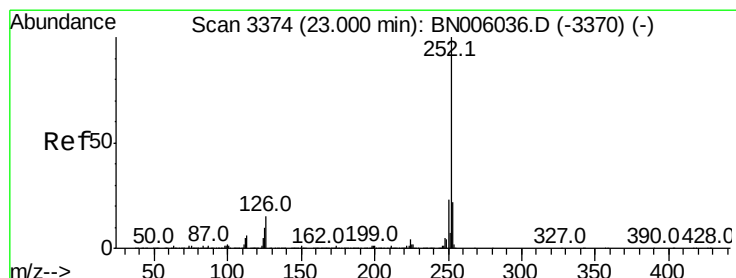
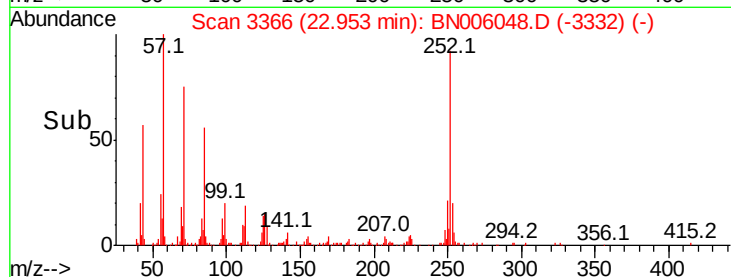
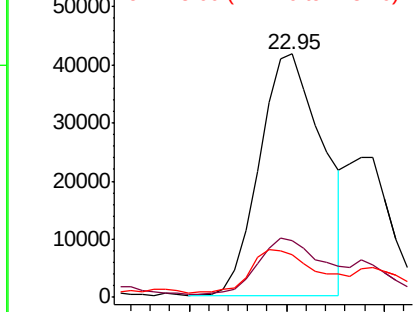
252 100

253 23.2 17.3 25.9

125 17.6 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: 1.213 ng/ul

RT: 22.95 min Scan# 3366

Delta R.T. -0.05 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

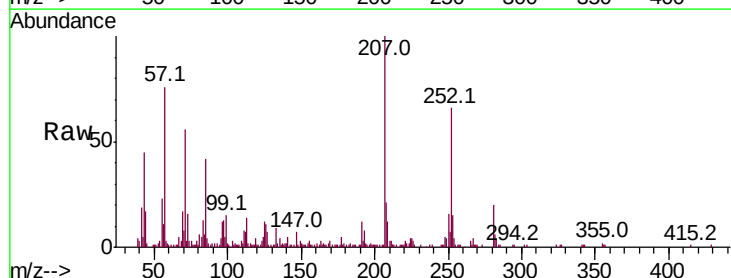
Tgt Ion:252 Resp: 93636

Ion Ratio Lower Upper

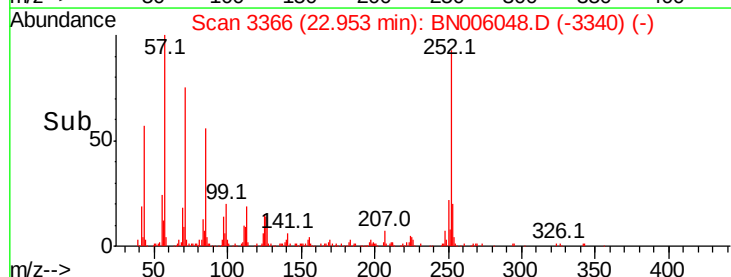
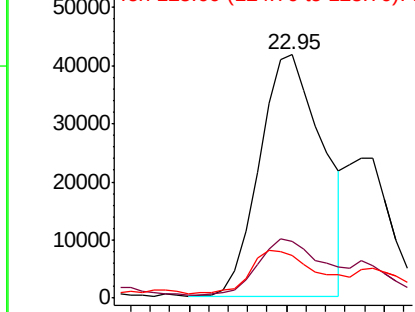
252 100

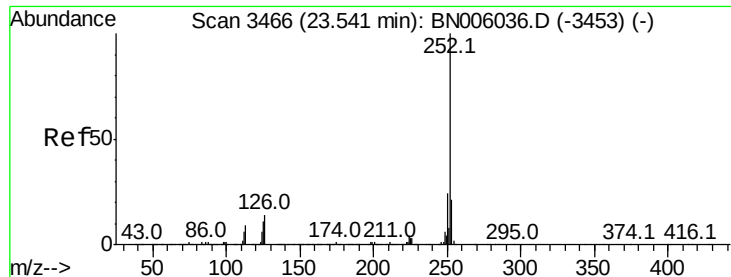
253 23.2 17.5 26.3

125 17.6 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: 0.837 ng/ul

RT: 23.54 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampleId :

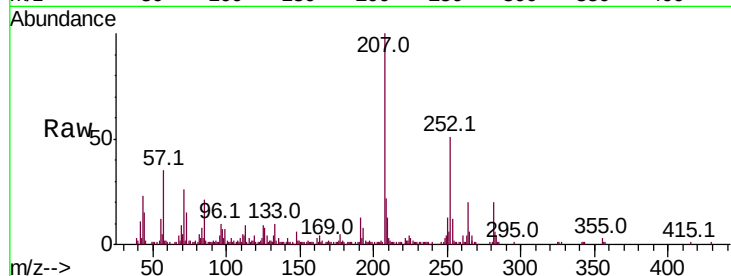
Tot Ion:252 Resp: 63359

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

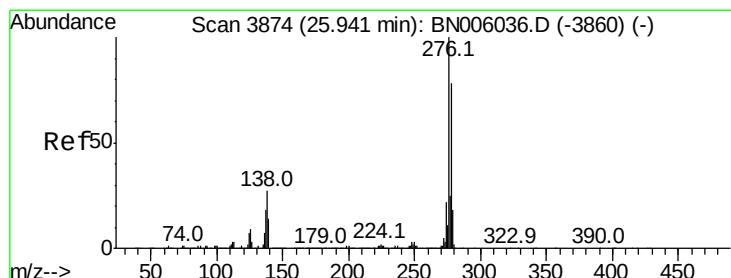
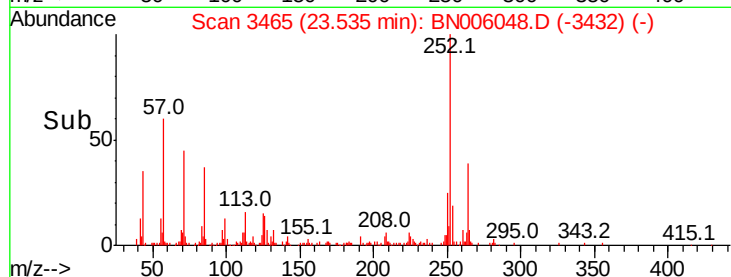
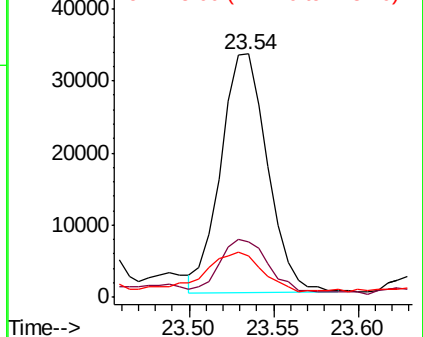
125 17.1 9.2 13.8#



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: 0.502 ng/ul

RT: 25.93 min Scan# 3872

Delta R.T. -0.01 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

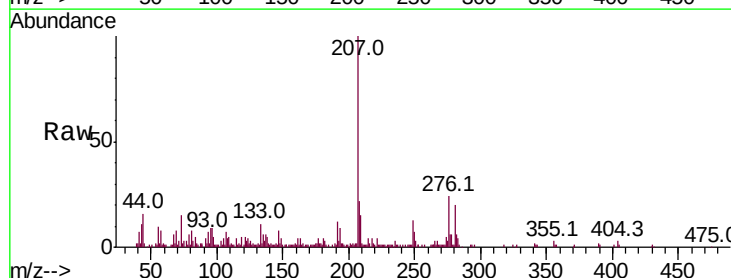
Tgt Ion:276 Resp: 43748

Ion Ratio Lower Upper

276 100

138 21.8 21.4 32.2

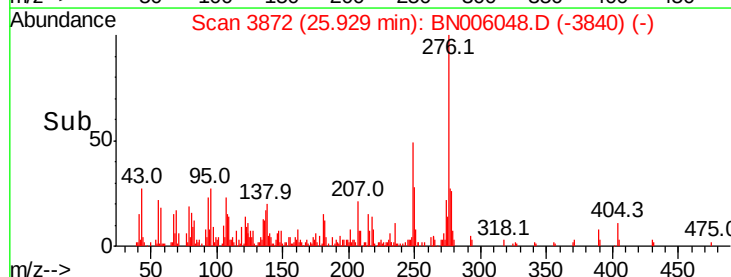
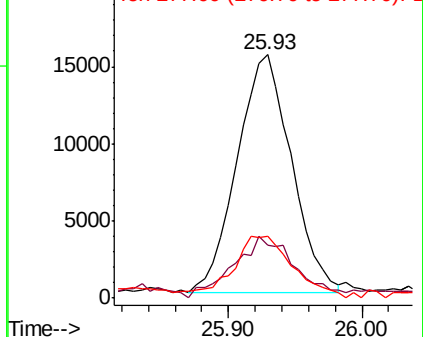
277 25.5 20.2 30.2

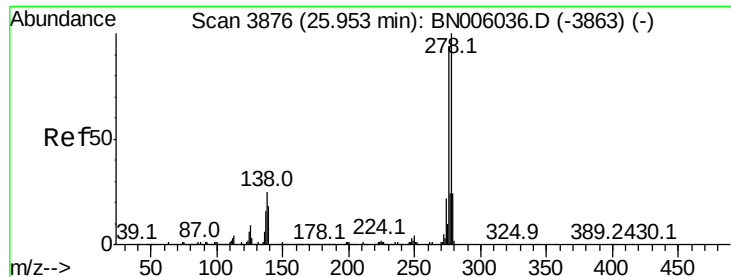


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 0.195 ng/ul

RT: 25.93 min Scan# 3872

Delta R.T. -0.02 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

Instrument :

BNA_N

ClientSampled :

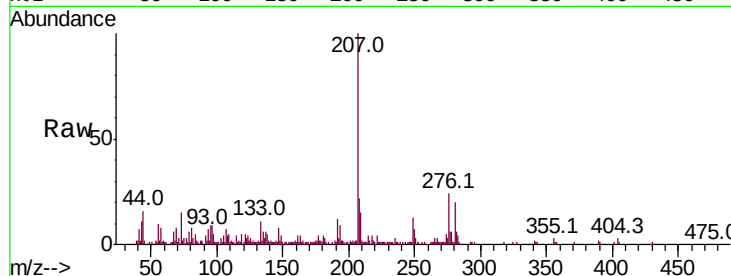
Tot Ion:278 Resp: 14354

Ion Ratio Lower Upper

278 100

139 27.7 14.2 21.2#

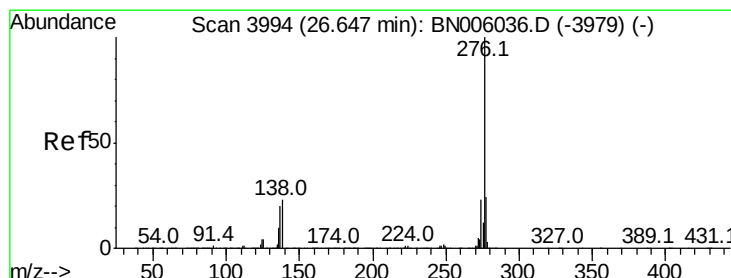
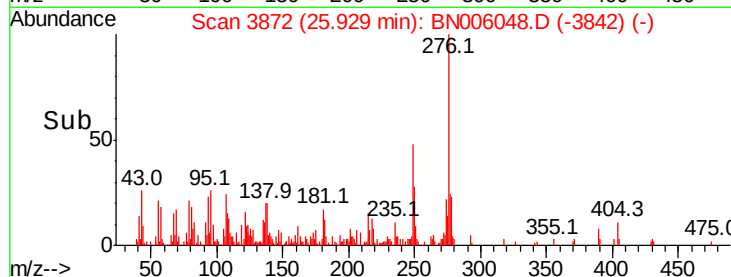
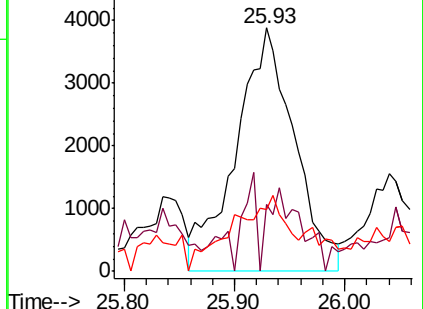
279 25.5 19.4 29.0



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: 0.558 ng/ul

RT: 26.62 min Scan# 3990

Delta R.T. -0.02 min

Lab File: BN006048.D

Acq: 03 Jun 2019 21:48

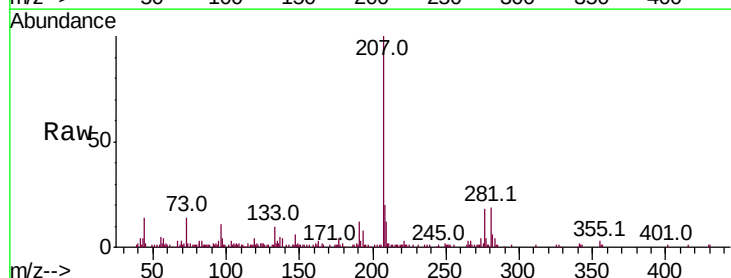
Tgt Ion:276 Resp: 40019

Ion Ratio Lower Upper

276 100

138 24.5 18.8 28.2

277 23.6 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

