

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082418\
 Data File : BN002503.D
 Acq On : 24 Aug 2018 16:29
 Operator : JU/SJ
 Sample : J4628-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 25 01:31:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 25 01:30:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	130343	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	626370	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	387915	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	940471	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	1163407	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	1276719	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	11866	4.30	ng/uL	0.00
5) Phenol-d5	6.85	99	332403	27.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	207380	27.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	254588	27.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	262100	27.43	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	135699	27.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	143917	27.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	268007	27.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	257240	24.70	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	943748	29.35	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1153951	29.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	151236	24.88	ng/ul	0.00
57) Fluorene-d10	15.30	176	821507	29.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	149357	24.94	ng/ul	0.00
70) Anthracene-d10	17.15	188	1341857	29.87	ng/ul	0.00
78) Pyrene-d10	19.45	212	1565803	28.13	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	1979132	29.65	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.27	88	25549	8.648	ng/uL#	87
6) Phenol	6.88	94	14942	1.228	ng/ul#	72
12) 2,2'-oxybis(1-Chloropropan	8.20	45	295529	19.286	ng/ul#	83
20) Nitrobenzene	8.86	77	247567	20.748	ng/ul	93
23) 2-Nitrophenol	9.56	139	144837	26.281	ng/ul#	85
25) Bis(2-Chloroethoxy)methane	9.86	93	220071	16.239	ng/ul	99
27) 2,4-Dichlorophenol	10.09	162	180999	19.401	ng/ul	98
28) Naphthalene	10.49	128	368476	11.434	ng/ul	100
30) 4-Chloroaniline	10.49	127	47497	4.511	ng/ul#	5
33) 4-Chloro-3-methylphenol	11.73	107	661765	61.644	ng/ul	100
34) 2-Methylnaphthalene	12.10	142	663099	27.878	ng/ul	99
37) Hexachlorocyclopentadiene	12.46	237	195133	27.339	ng/ul	99
38) 2,4,6-Trichlorophenol	12.73	196	145504	19.231	ng/ul	98
39) 2,4,5-Trichlorophenol	12.73	196	145504	17.973	ng/ul	98
41) 2-Chloronaphthalene	13.17	162	502789	20.770	ng/ul	98
44) Dimethylphthalate	13.76	163	327767	10.393	ng/ul	98
45) 2,6-Dinitrotoluene	13.88	165	73398	11.519	ng/ul#	83
47) Acenaphthylene	14.02	152	667017	17.759	ng/ul	99
49) Acenaphthene	14.36	153	363143	13.707	ng/ul	99
54) 2,4-Dinitrotoluene	14.68	165	295048	30.711	ng/ul#	86
55) 2,3,4,6-Tetrachlorophenol	14.93	232	257111	36.371	ng/ul	100
58) Fluorene	15.35	166	398255	13.023	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.35	204	326063	21.603	ng/ul	94

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

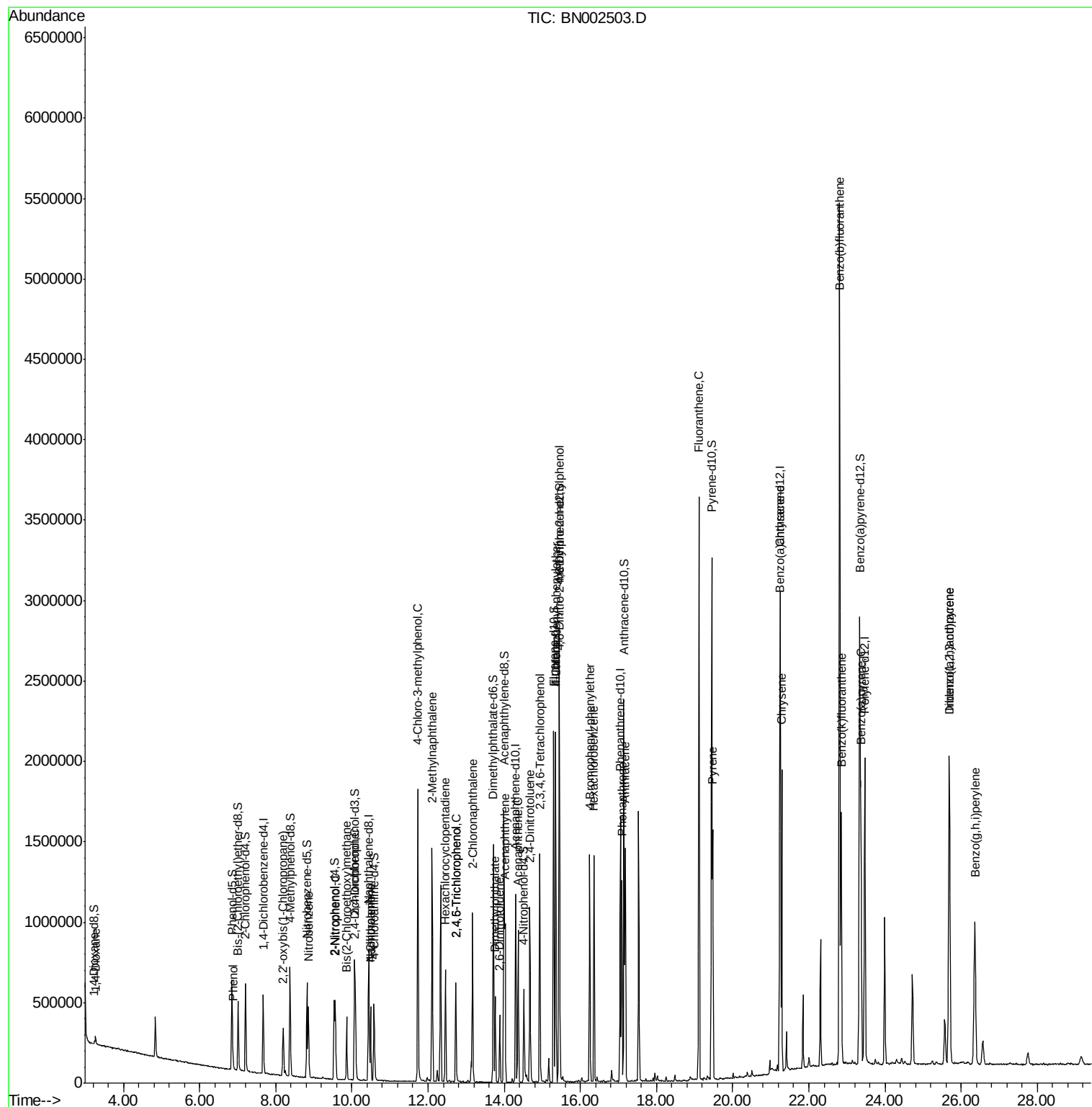
63) 4,6-Dinitro-2-methylphenol	15.45	198	515075	83.387	ng/ul	98
65) 4-Bromophenyl-phenylether	16.25	248	243949	25.426	ng/ul	93
66) Hexachlorobenzene	16.36	284	282932	26.424	ng/ul	93
69) Phenanthrene	17.09	178	717736	13.844	ng/ul	99
71) Anthracene	17.18	178	887381	16.876	ng/ul	100
76) Fluoranthene	19.12	202	2162905	36.654	ng/ul	99
79) Pyrene	19.48	202	895296	12.763	ng/ul	99
82) Benzo(a)anthracene	21.23	228	942341	13.221	ng/ul	99
84) Chrysene	21.29	228	870402	12.903	ng/ul	98
87) Benzo(b)fluoranthene	22.81	252	3112064	40.665	ng/ul	100
88) Benzo(k)fluoranthene	22.85	252	934635	12.963	ng/ul	99
90) Benzo(a)pyrene	23.37	252	804123	11.030	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.69	276	1206491	13.911	ng/ul	98
92) Dibenzo(a,h)anthracene	25.70	278	1192056	16.441	ng/ul	98
93) Benzo(a,h,i)perylene	26.36	276	1056799	14.604	ng/ul	97

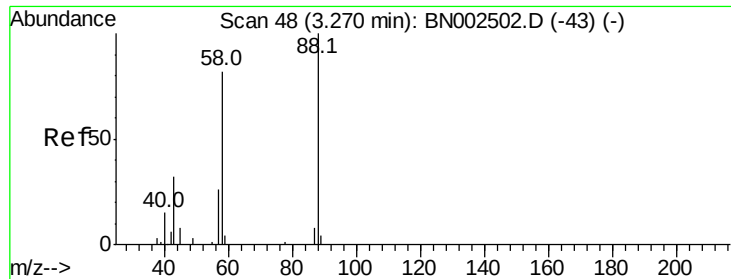
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 8.648 ng/uL

RT: 3.27 min Scan# 48

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Instrument :

BNA_N

ClientSampleId :

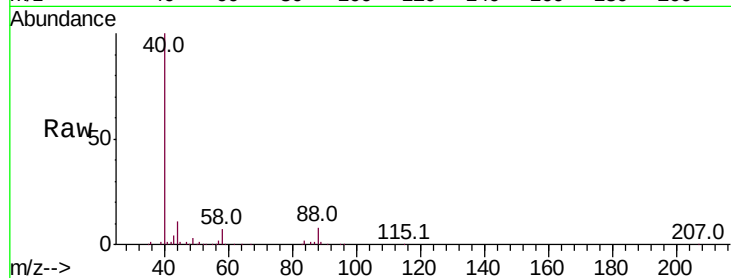
Tot Ion: 88 Resp: 25549

Ion Ratio Lower Upper

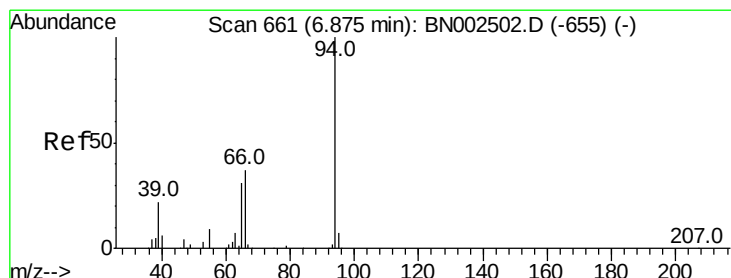
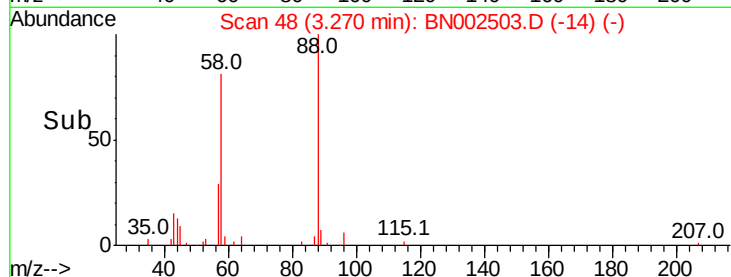
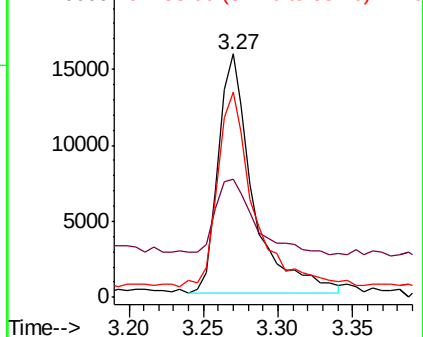
88 100

43 31.0 32.0 48.0#

58 79.1 72.0 108.0



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



#6

Phenol

Concen: 1.228 ng/uL

RT: 6.88 min Scan# 661

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

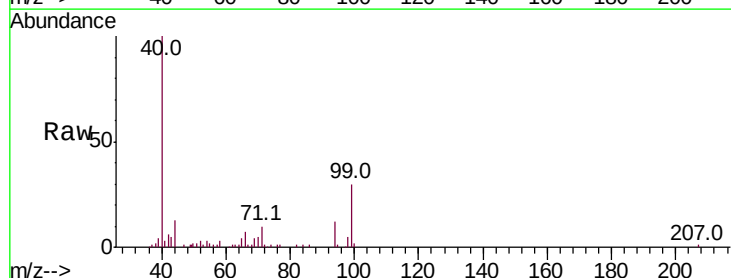
Tgt Ion: 94 Resp: 14942

Ion Ratio Lower Upper

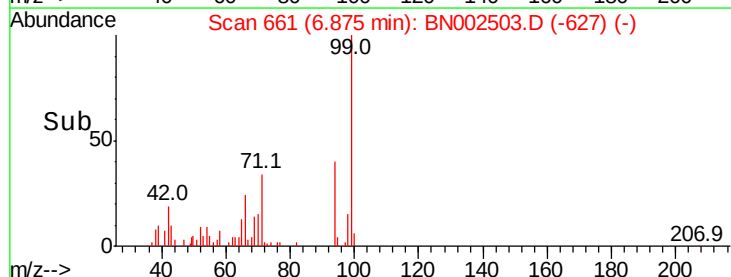
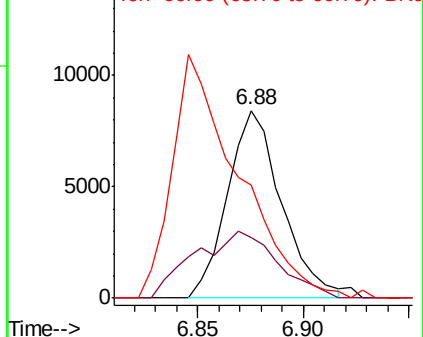
94 100

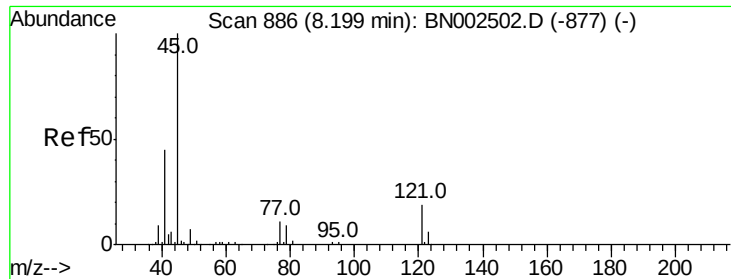
65 32.1 21.0 31.6#

66 60.0 29.3 43.9#



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

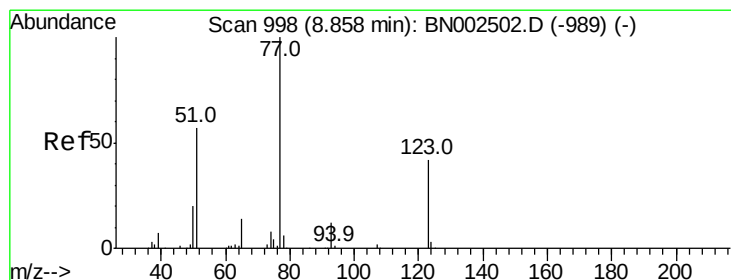
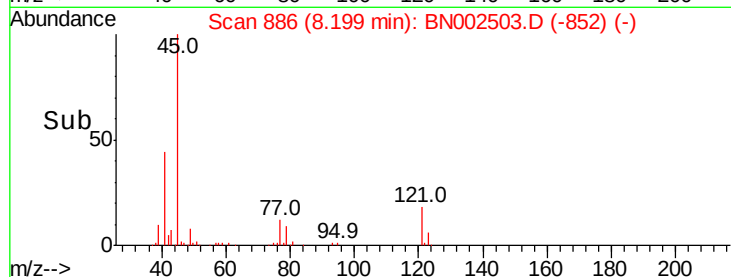
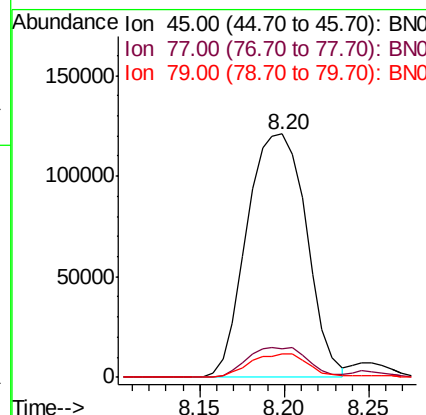
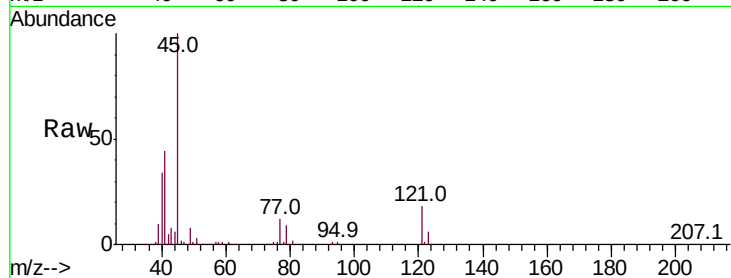




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 19.286 ng/ul
 RT: 8.20 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

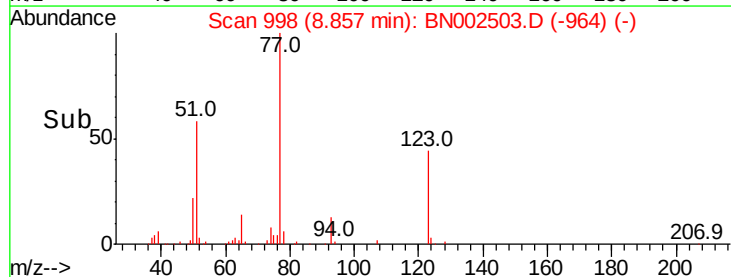
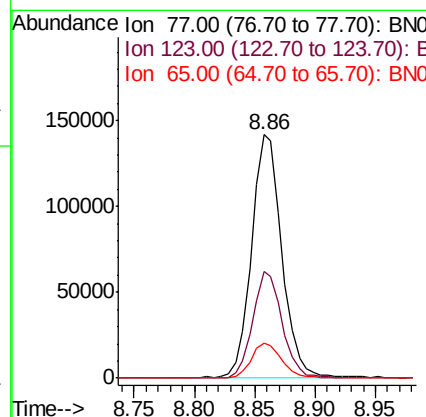
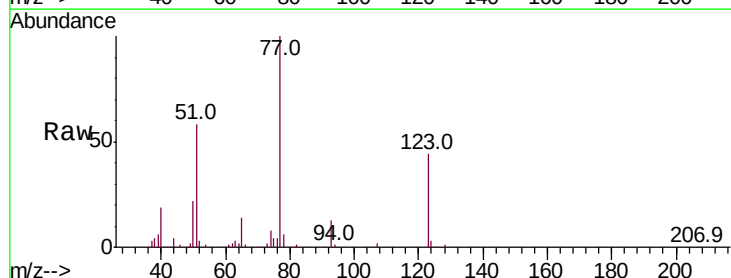
Instrument :
 BNA_N
 ClientSampleId :

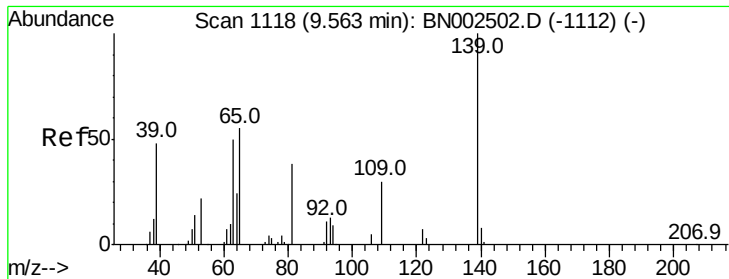
Tot Ion	Ratio	Lower	Upper
45	100		
77	11.6	15.9	23.9#
79	9.4	12.5	18.7#



#20
 Nitrobenzene
 Concen: 20.748 ng/ul
 RT: 8.86 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.6	39.0	58.4
65	14.4	10.4	15.6

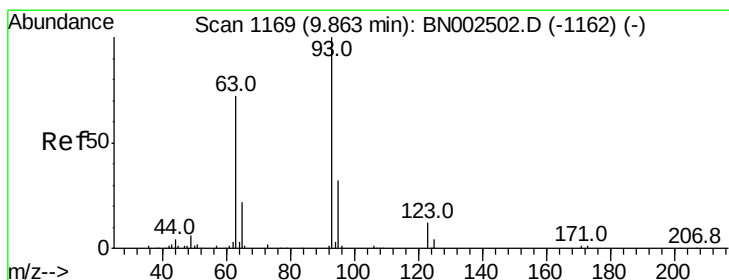
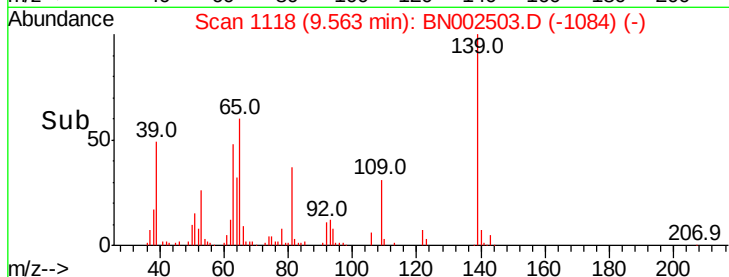
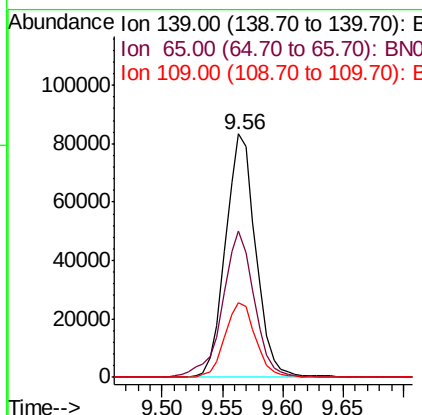
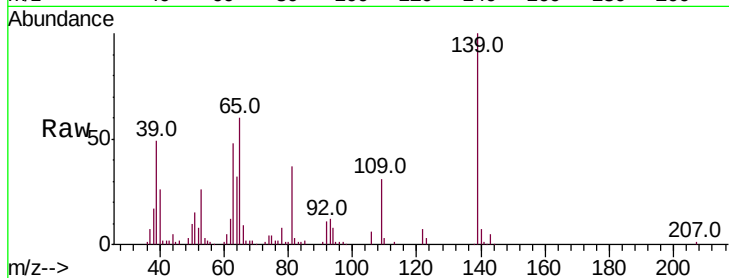




#23
 2-Nitrophenol
 Concen: 26.281 ng/ul
 RT: 9.56 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

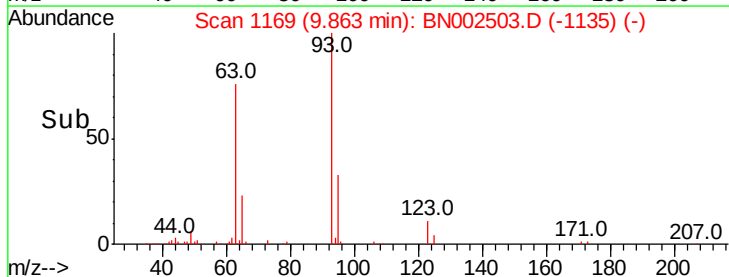
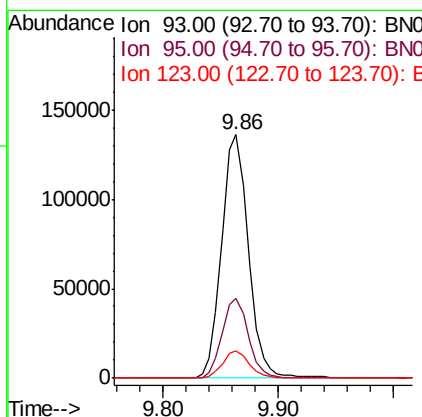
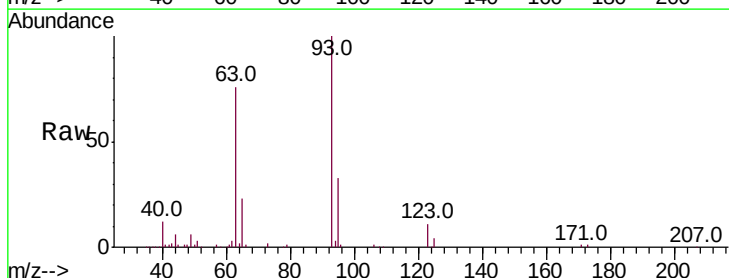
Instrument :
 BNA_N
 ClientSampleId :

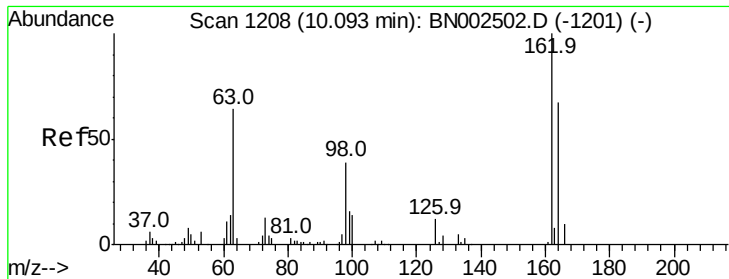
Tot Ion:139 Resp: 144837
 Ion Ratio Lower Upper
 139 100
 65 60.0 36.3 54.5#
 109 30.8 26.4 39.6



#25
 Bis(2-Chloroethoxy)methane
 Concen: 16.239 ng/ul
 RT: 9.86 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Tgt Ion: 93 Resp: 220071
 Ion Ratio Lower Upper
 93 100
 95 32.8 25.8 38.8
 123 11.2 9.8 14.8





#27

2,4-Dichlorophenol

Concen: 19.401 ng/ul

RT: 10.09 min Scan# 1208

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Instrument :

BNA_N

ClientSampleId :

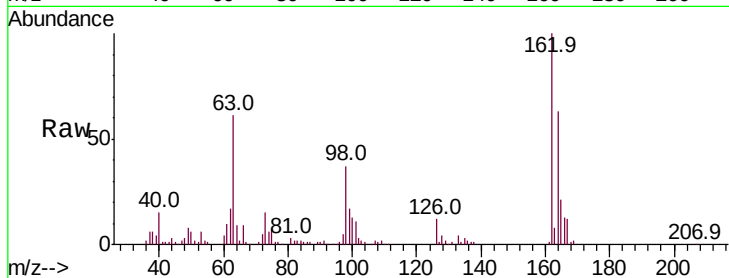
Tot Ion:162 Resp: 180999

Ion Ratio Lower Upper

162 100

164 62.9 52.1 78.1

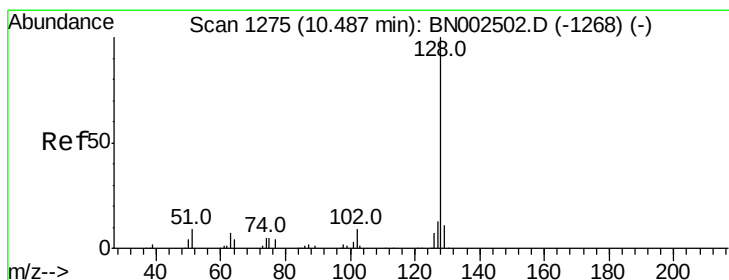
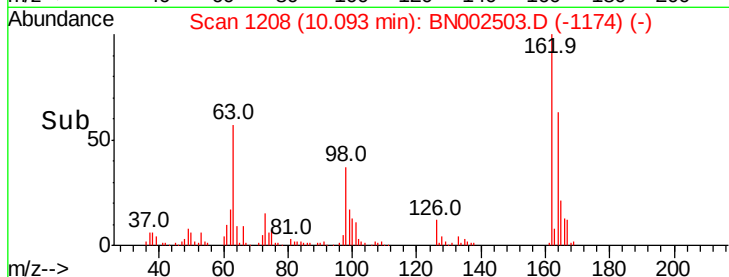
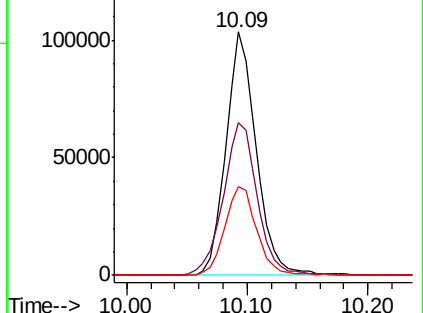
98 36.6 28.4 42.6



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: 11.434 ng/ul

RT: 10.49 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

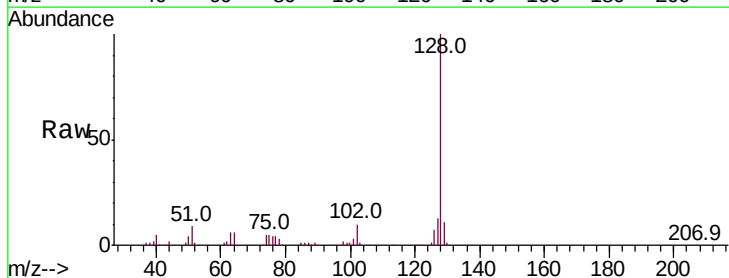
Tgt Ion:128 Resp: 368476

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

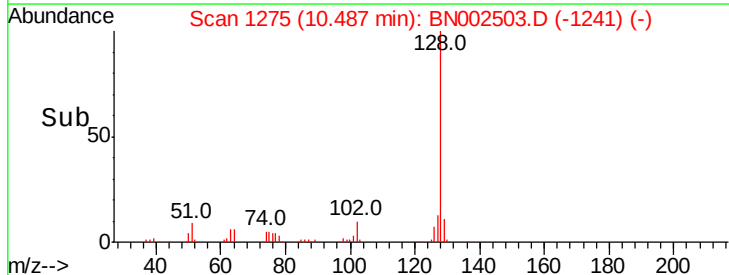
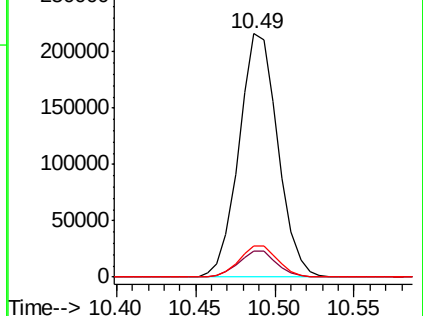
127 12.9 10.5 15.7

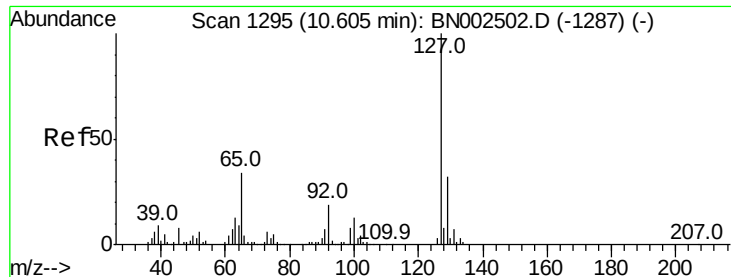


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

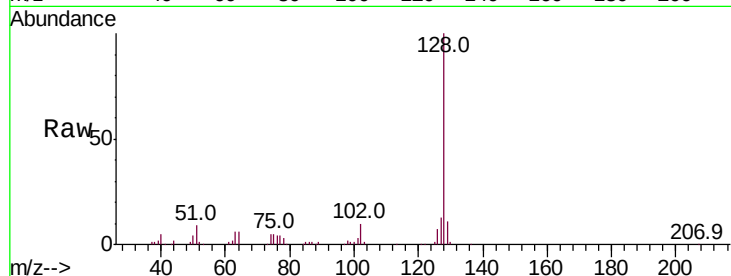




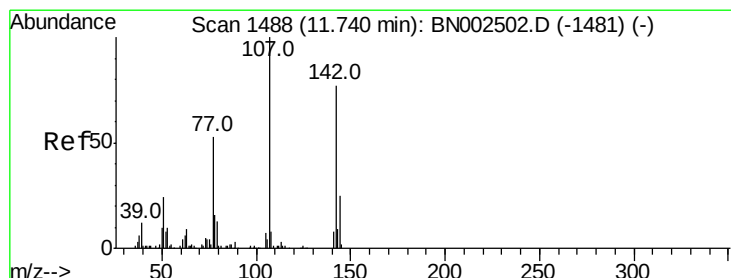
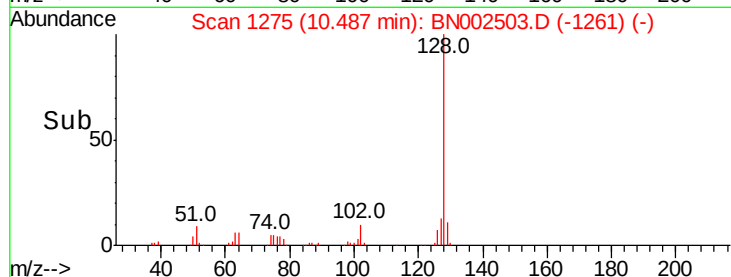
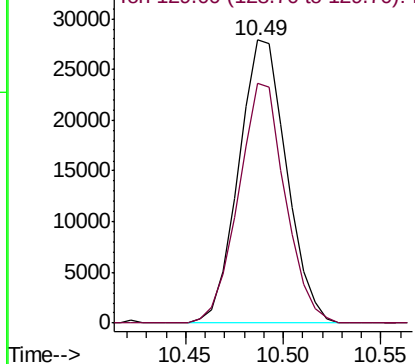
#30
4-Chloroaniline
Concen: 4.511 ng/ul
RT: 10.49 min Scan# 1275
Delta R.T. -0.12 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:127 Resp: 47497
Ion Ratio Lower Upper
127 100
129 84.9 25.4 38.2#

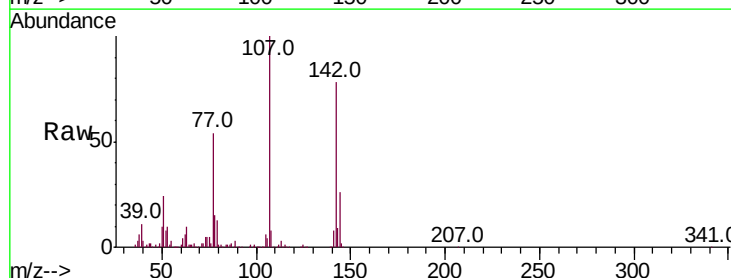


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

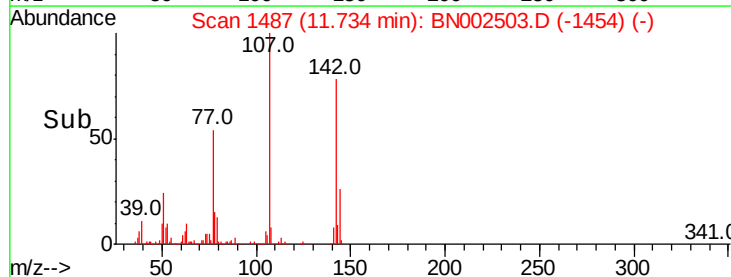
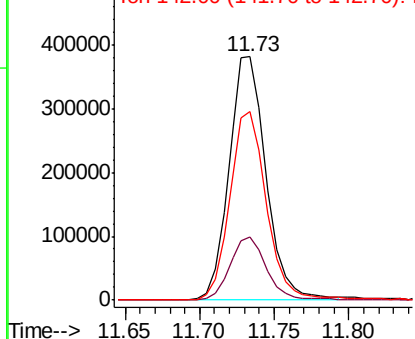


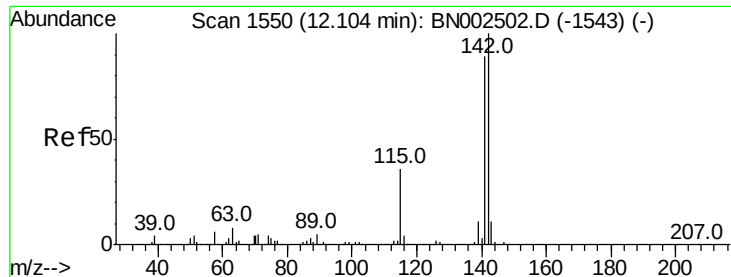
#33
4-Chloro-3-methylphenol
Concen: 61.644 ng/ul
RT: 11.73 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

Tgt Ion:107 Resp: 661765
Ion Ratio Lower Upper
107 100
144 25.7 20.4 30.6
142 77.7 62.5 93.7



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

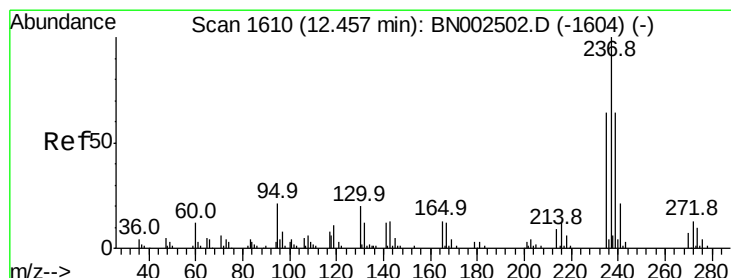
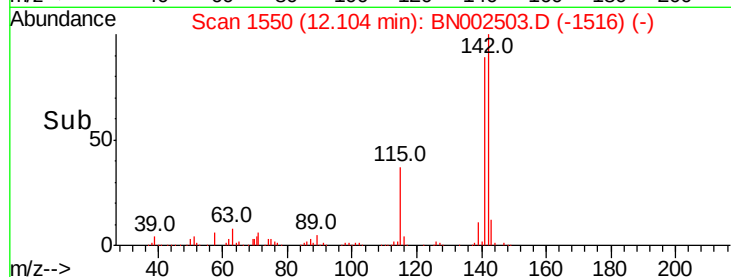
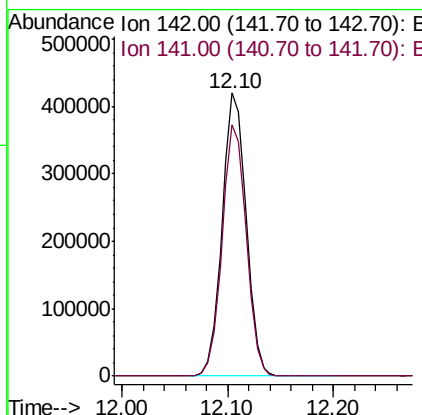
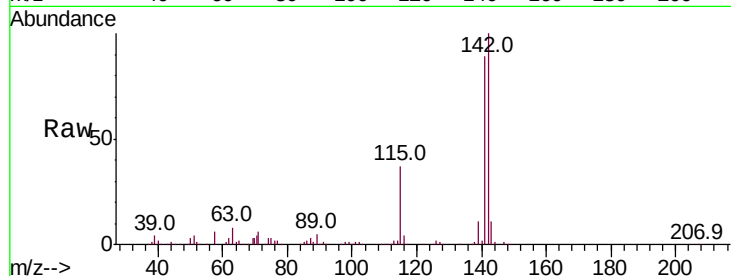




#34
 2-Methylnaphthalene
 Concen: 27.878 ng/ul
 RT: 12.10 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

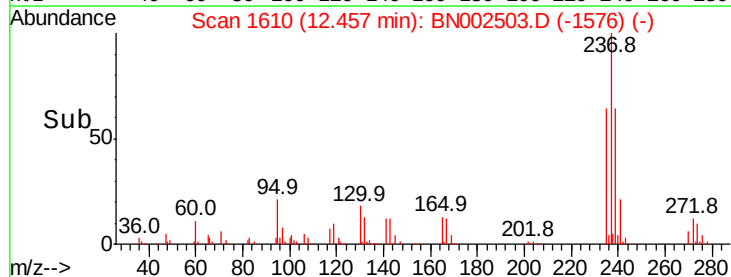
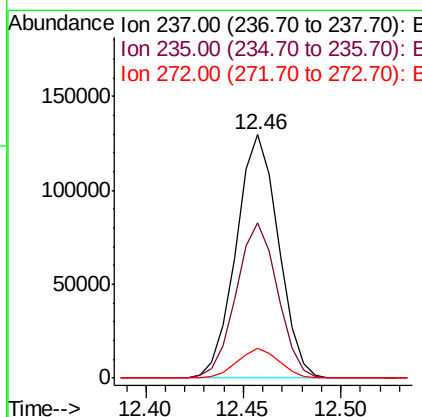
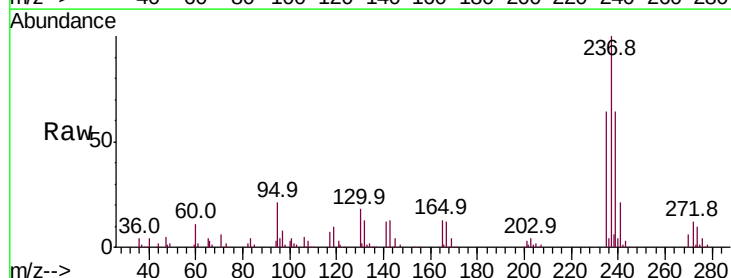
Instrument :
 BNA_N
 ClientSampleId :

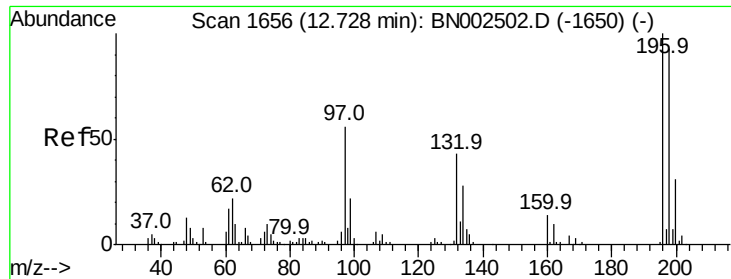
Tot Ion:142 Resp: 663099
 Ion Ratio Lower Upper
 142 100
 141 88.7 71.6 107.4



#37
 Hexachlorocyclopentadiene
 Concen: 27.339 ng/ul
 RT: 12.46 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Tgt Ion:237 Resp: 195133
 Ion Ratio Lower Upper
 237 100
 235 64.0 50.4 75.6
 272 12.4 9.6 14.4

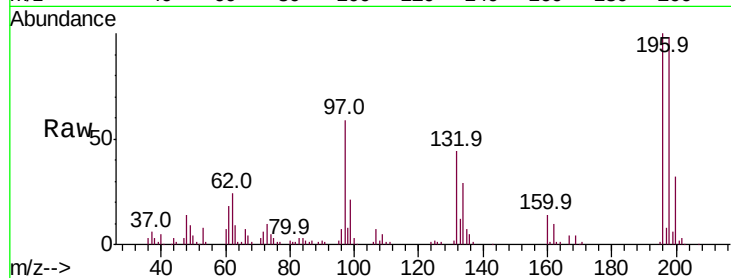




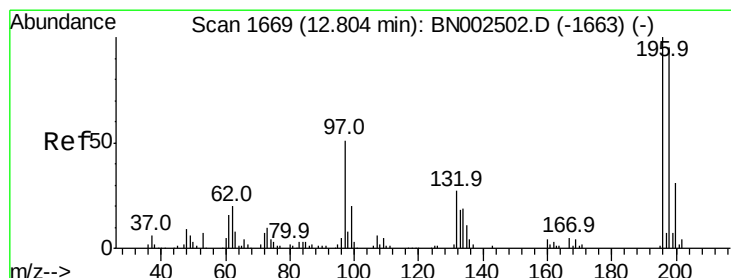
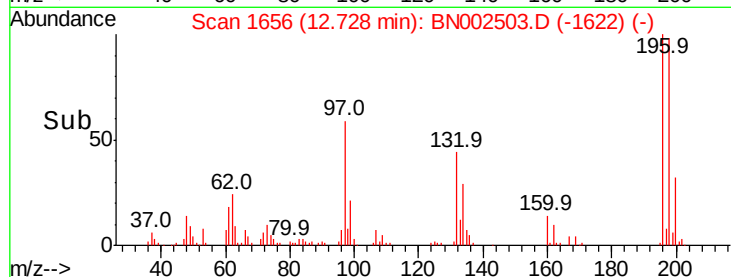
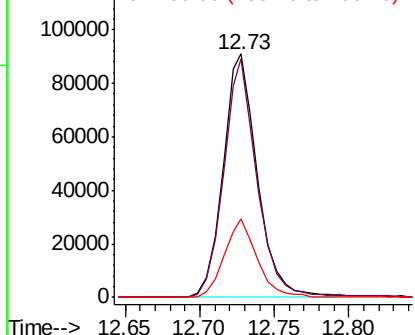
#38
 2,4,6-Trichlorophenol
 Concen: 19.231 ng/ul
 RT: 12.73 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.6	114.8
200	32.2	24.7	37.1

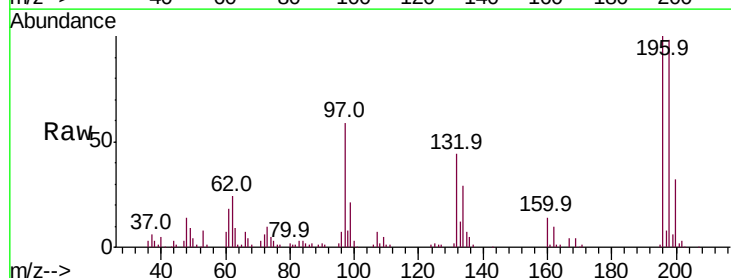


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

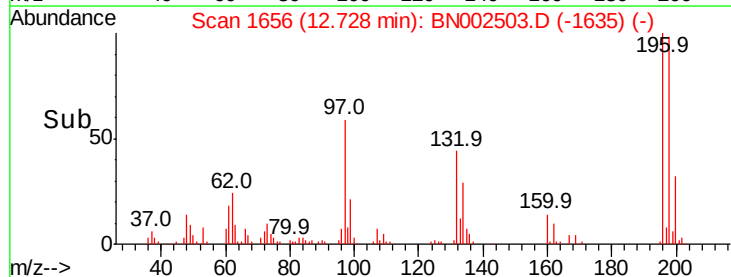
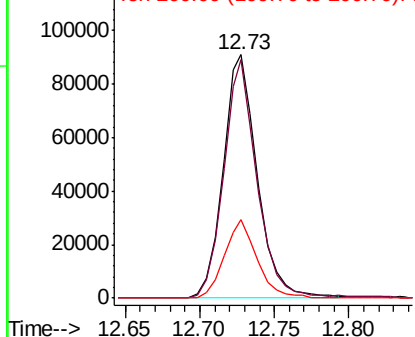


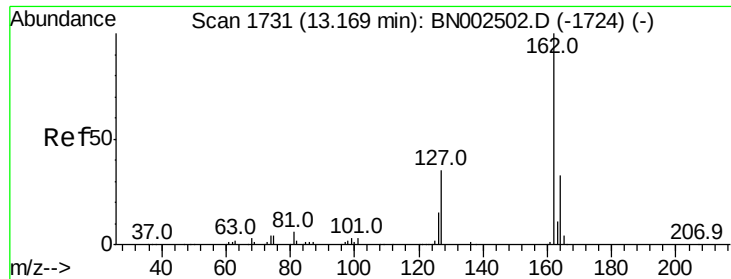
#39
 2,4,5-Trichlorophenol
 Concen: 17.973 ng/ul
 RT: 12.73 min Scan# 1656
 Delta R.T. -0.08 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.9	115.3
200	32.2	25.0	37.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

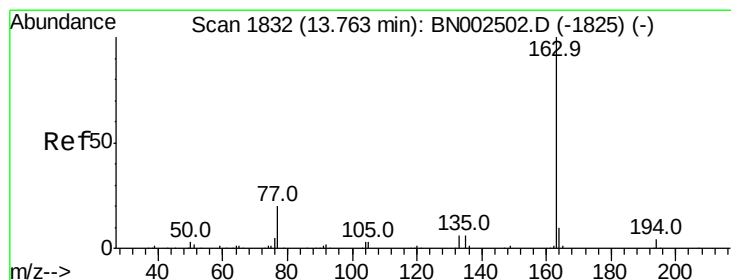
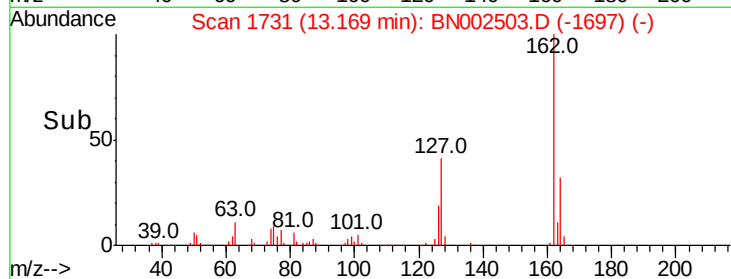
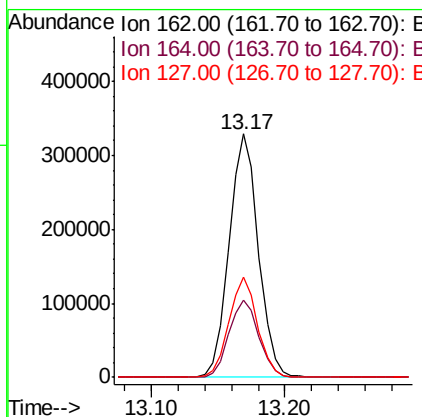
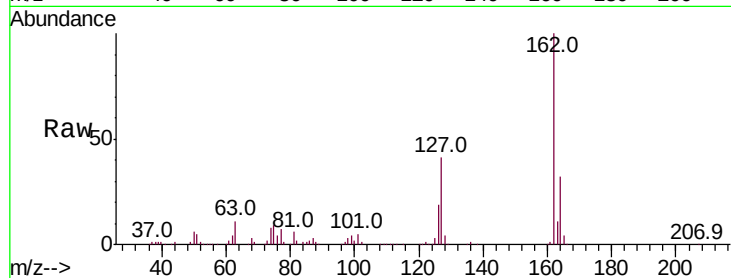




#41
2-Chloronaphthalene
Concen: 20.770 ng/ul
RT: 13.17 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

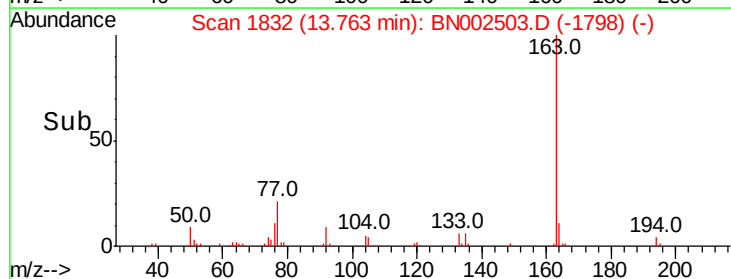
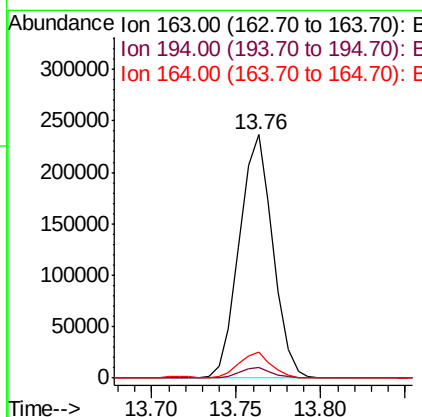
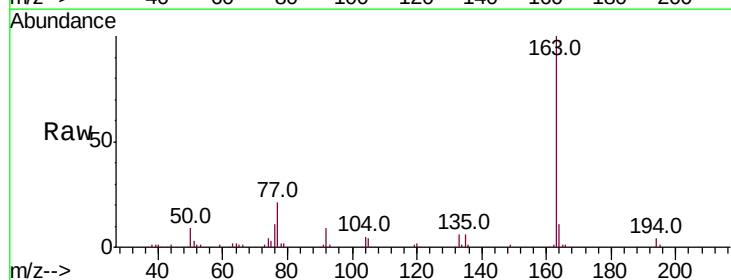
Instrument :
BNA_N
ClientSampleId :

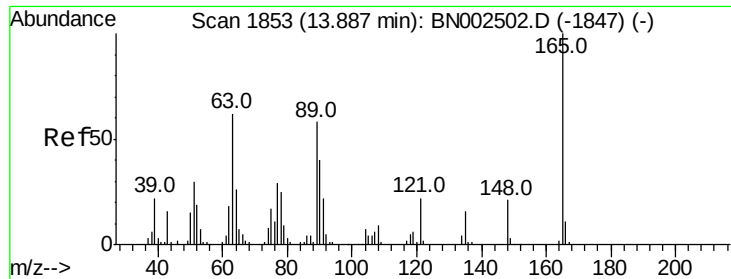
Tot Ion	Ratio	Lower	Upper
162	100		
164	31.7	25.9	38.9
127	41.2	34.1	51.1



#44
Dimethylphthalate
Concen: 10.393 ng/ul
RT: 13.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.8	7.8	11.8





#45

2,6-Dinitrotoluene

Concen: 11.519 ng/ul

RT: 13.88 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Instrument :

BNA_N

ClientSampleId :

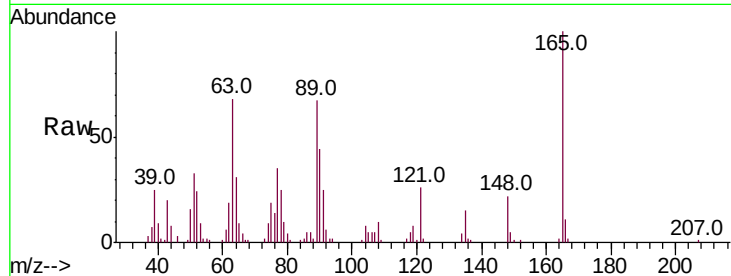
Tot Ion:165 Resp: 73398

Ion Ratio Lower Upper

165 100

89 66.8 42.4 63.6#

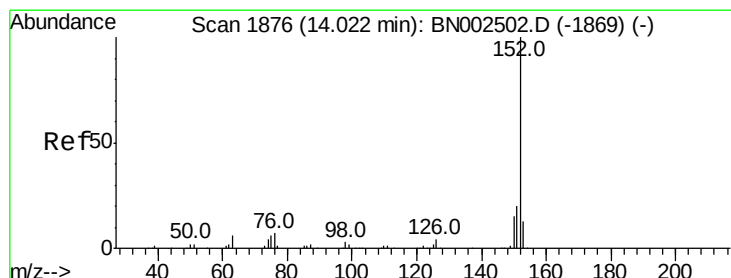
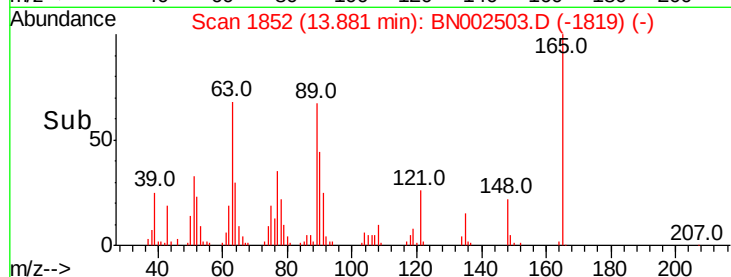
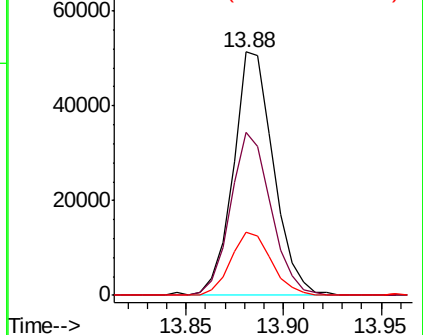
121 26.1 16.6 24.8#



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: 17.759 ng/ul

RT: 14.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

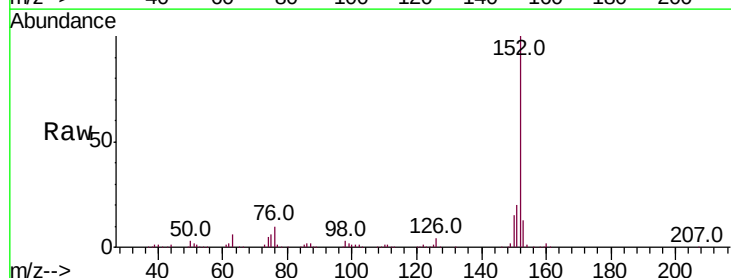
Tgt Ion:152 Resp: 667017

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

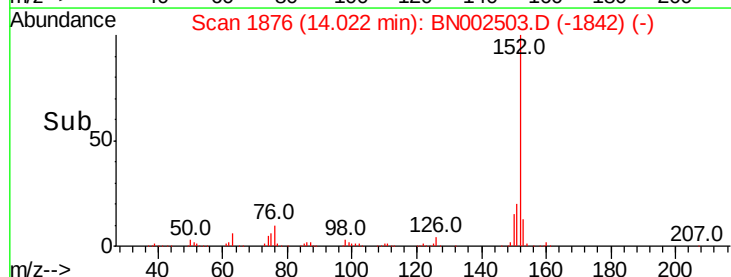
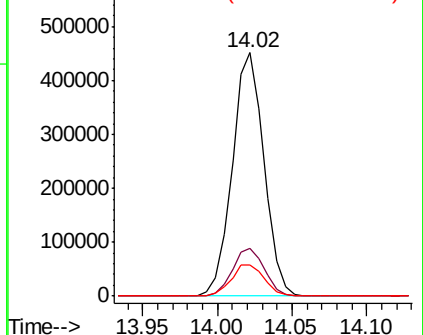
153 13.0 10.5 15.7

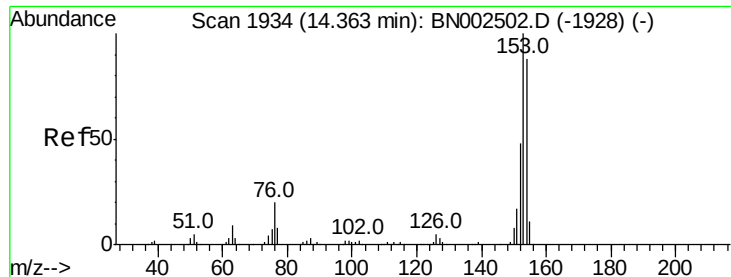


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 13.707 ng/ul

RT: 14.36 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Instrument :

BNA_N

ClientSampleId :

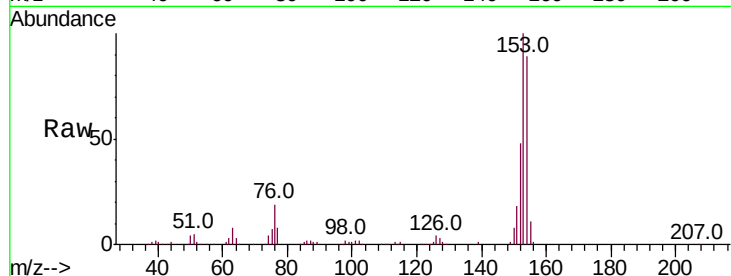
Tot Ion:153 Resp: 363143

Ion Ratio Lower Upper

153 100

152 48.2 38.3 57.5

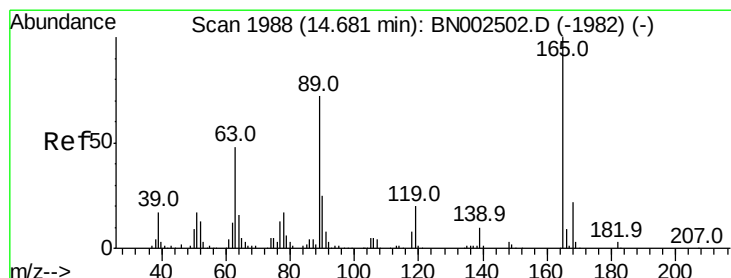
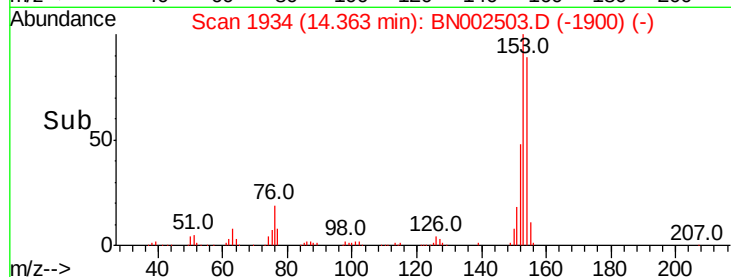
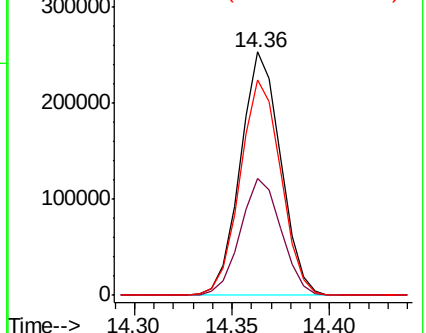
154 88.5 71.8 107.8



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



#54

2,4-Dinitrotoluene

Concen: 30.711 ng/ul

RT: 14.68 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

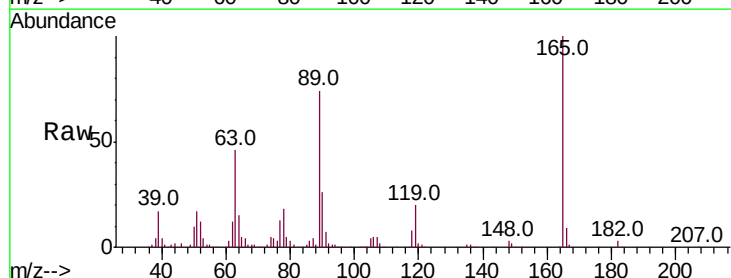
Tgt Ion:165 Resp: 295048

Ion Ratio Lower Upper

165 100

63 45.9 29.8 44.6#

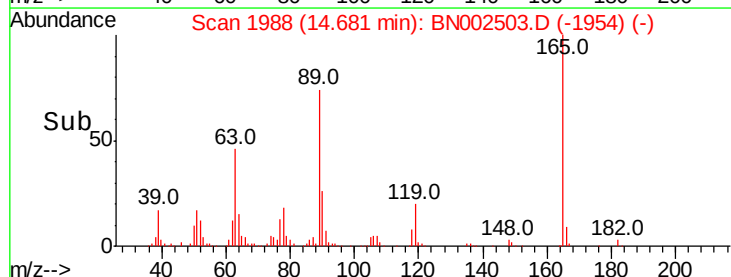
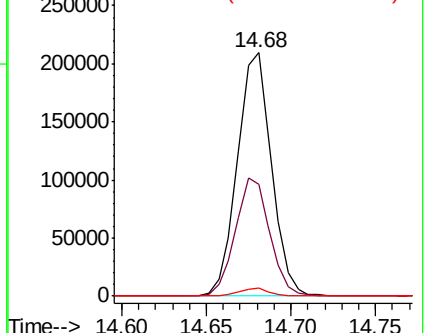
182 3.1 2.2 3.4

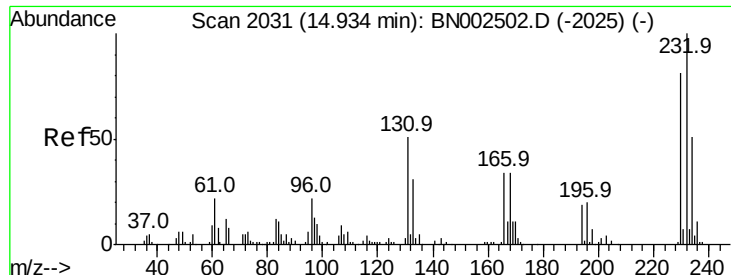


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

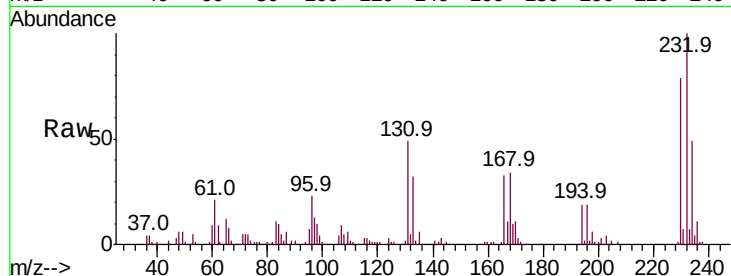




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 36.371 ng/ul
 RT: 14.93 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.3	39.4	59.2
130	2.4	2.2	3.2
166	32.9	26.6	39.8



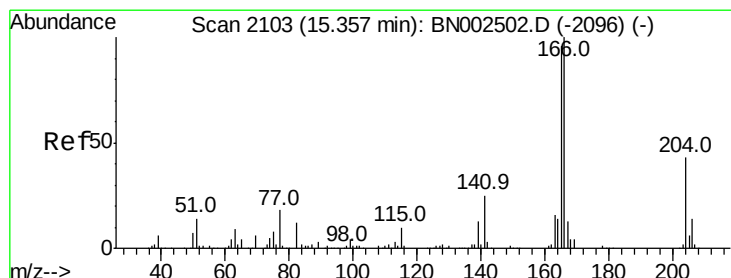
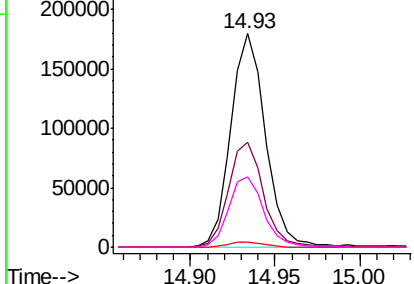
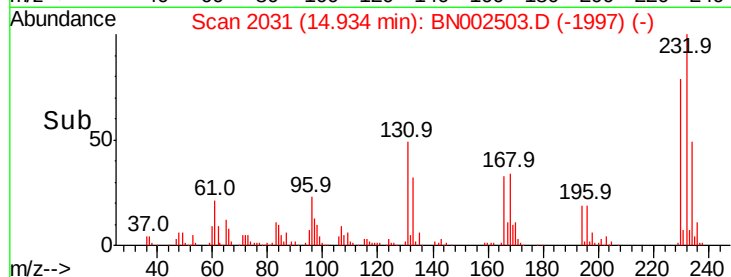
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

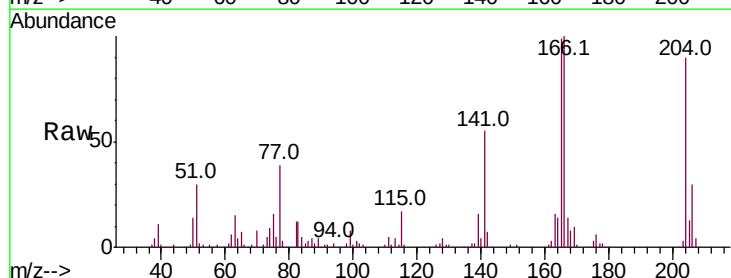
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#58
 Fluorene
 Concen: 13.023 ng/ul
 RT: 15.35 min Scan# 2102
 Delta R.T. -0.01 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.5	117.7
167	13.5	10.7	16.1

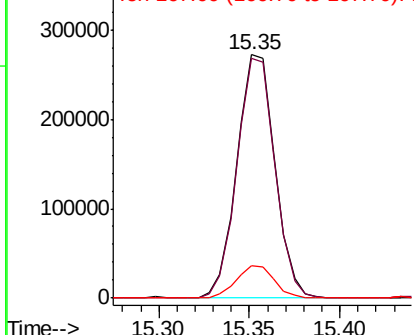
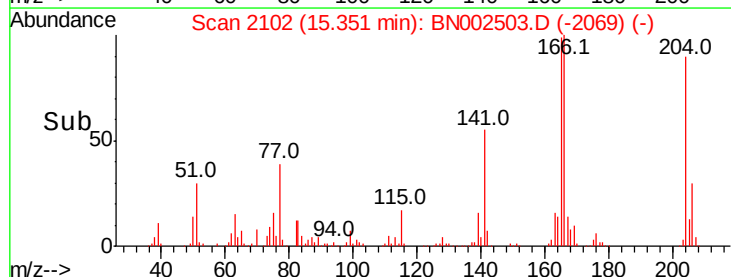


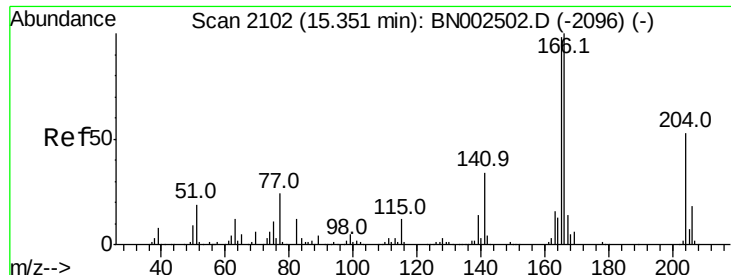
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

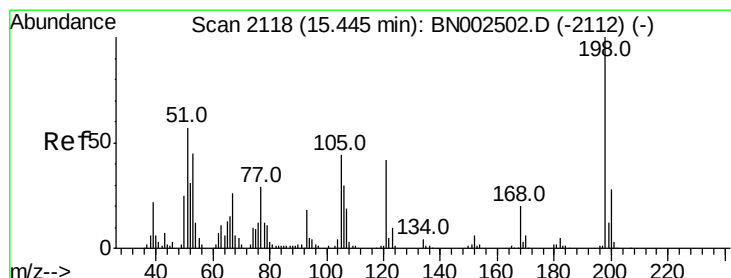
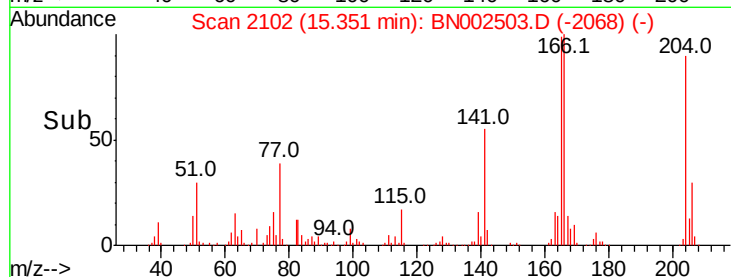
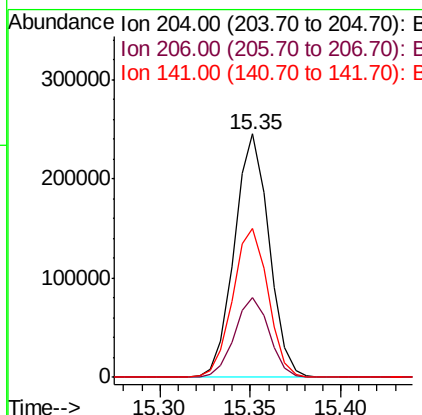
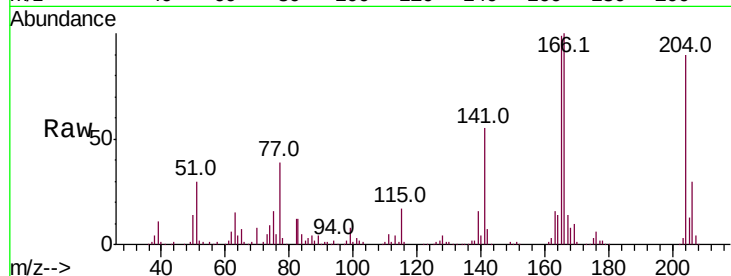




#59
 4-Chlorophenyl-phenylether
 Concen: 21.603 ng/ul
 RT: 15.35 min Scan# 2102
 Delta R.T. -0.00 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

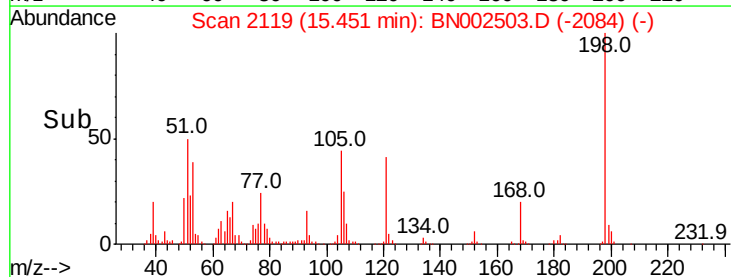
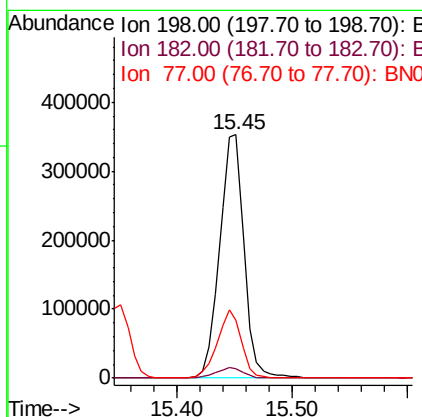
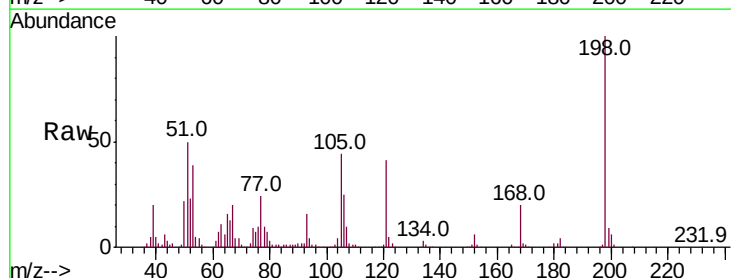
Instrument :
 BNA_N
 ClientSampleId :

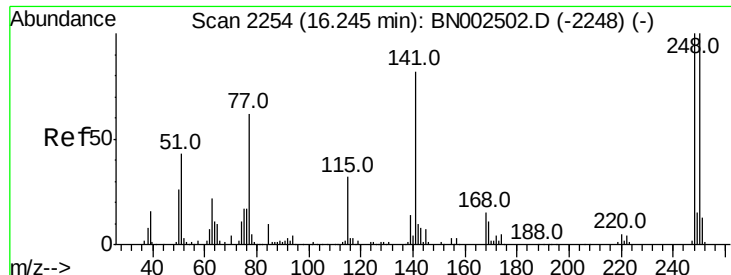
Tot Ion:204 Resp: 326063
 Ion Ratio Lower Upper
 204 100
 206 32.8 26.2 39.4
 141 61.2 54.6 81.8



#63
 4,6-Dinitro-2-methylphenol
 Concen: 83.387 ng/ul
 RT: 15.45 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: BN002503.D
 Acq: 24 Aug 2018 16:29

Tgt Ion:198 Resp: 515075
 Ion Ratio Lower Upper
 198 100
 182 3.7 3.1 4.7
 77 23.9 20.1 30.1

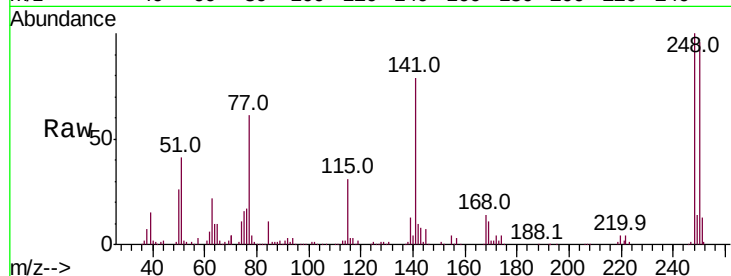




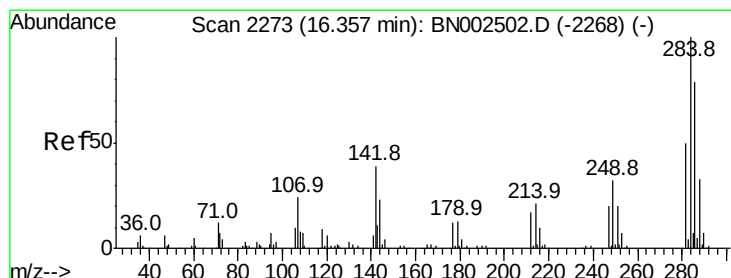
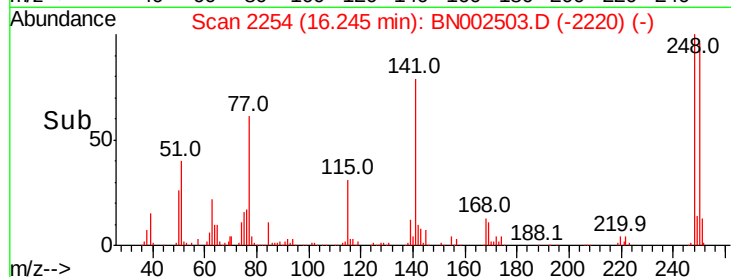
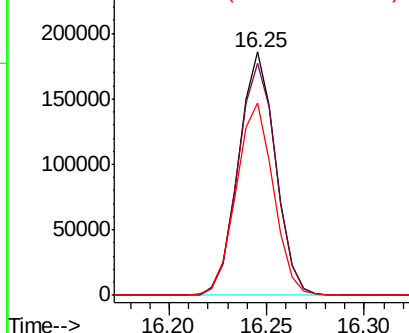
#65
4-Bromophenyl-phenylether
Concen: 25.426 ng/ul
RT: 16.25 min Scan# 2254
Delta R.T. -0.00 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 243949
Ion Ratio Lower Upper
248 100
250 95.5 78.7 118.1
141 79.2 72.2 108.2

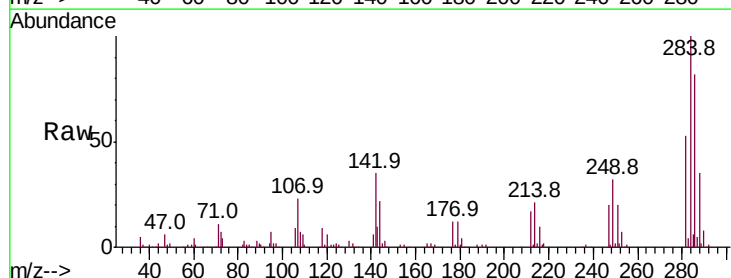


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

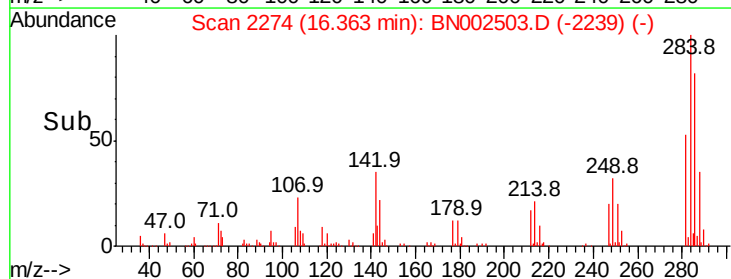
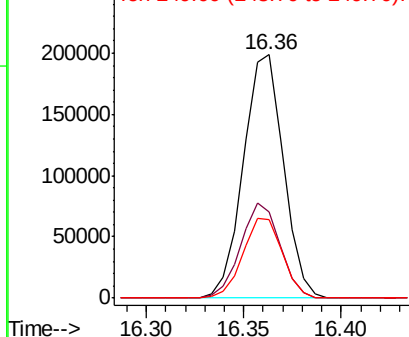


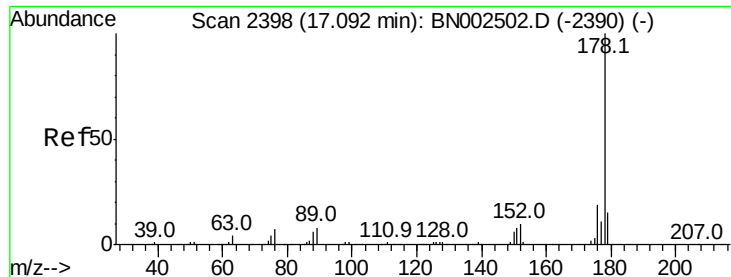
#66
Hexachlorobenzene
Concen: 26.424 ng/ul
RT: 16.36 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

Tgt Ion:284 Resp: 282932
Ion Ratio Lower Upper
284 100
142 35.2 33.1 49.7
249 32.3 27.1 40.7



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





#69

Phenanthrene

Concen: 13.844 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Instrument :

BNA_N

ClientSampleId :

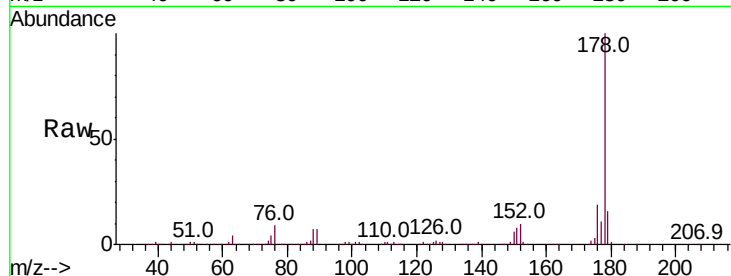
Tot Ion:178 Resp: 717736

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

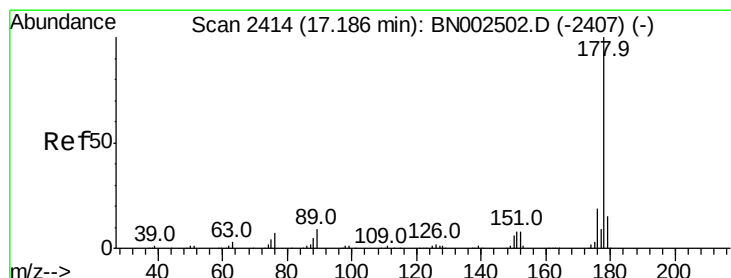
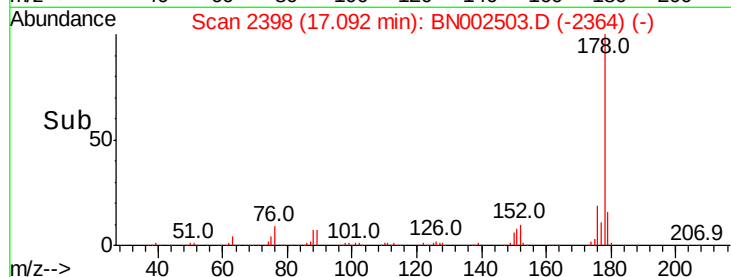
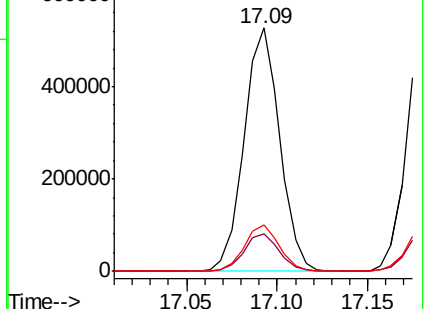
176 18.9 15.6 23.4



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: 16.876 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

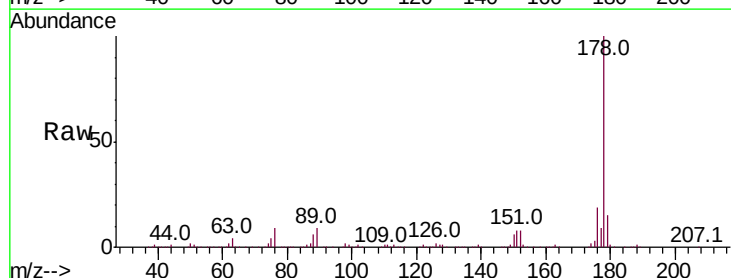
Tgt Ion:178 Resp: 887381

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

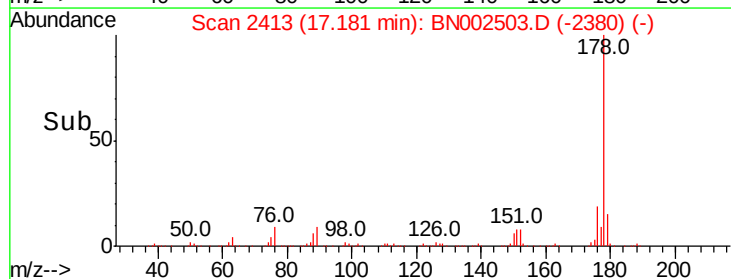
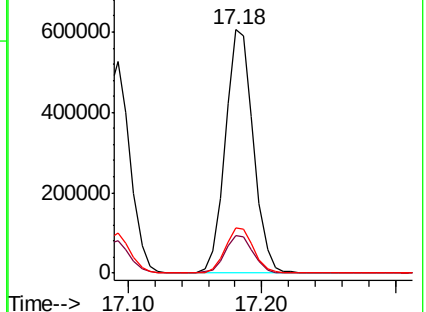
176 18.6 14.8 22.2

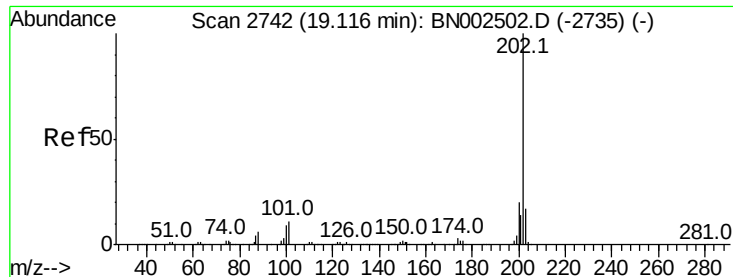


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

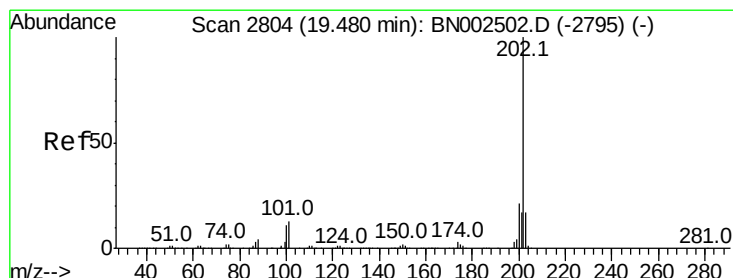
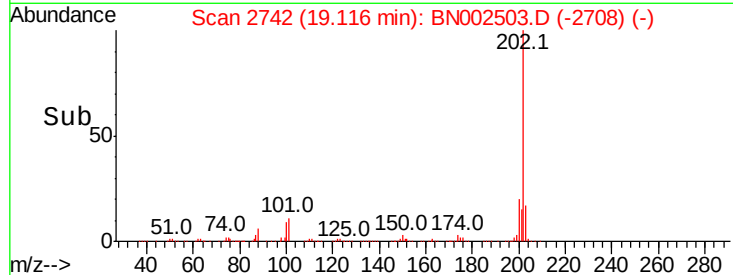
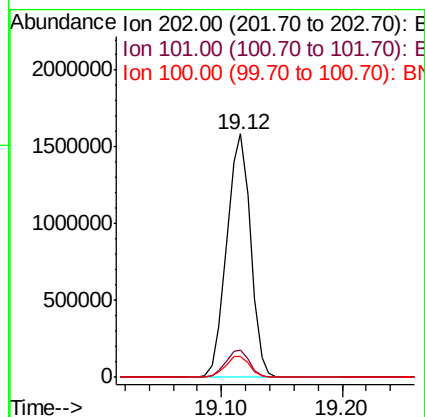
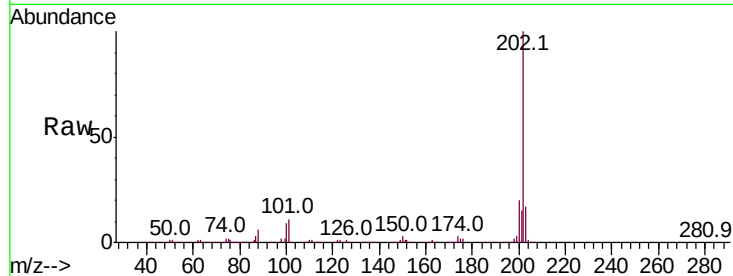




#76
Fluoranthene
Concen: 36.654 ng/ul
RT: 19.12 min Scan# 2742
Delta R.T. -0.00 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

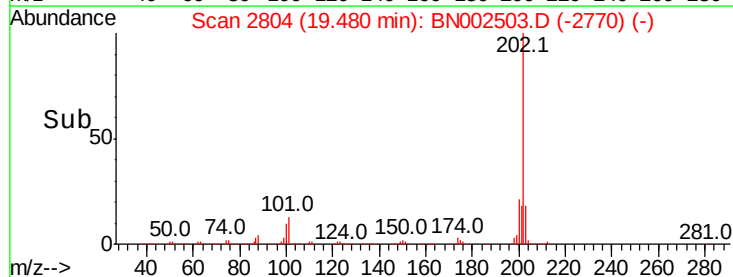
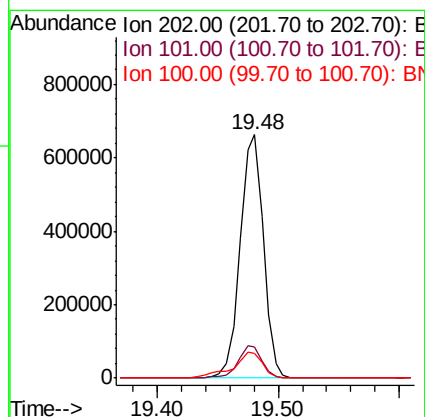
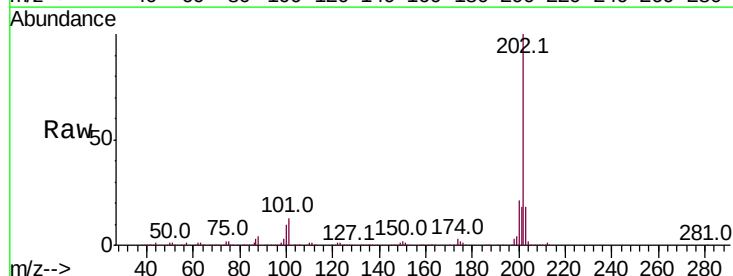
Instrument :
BNA_N
ClientSampleId :

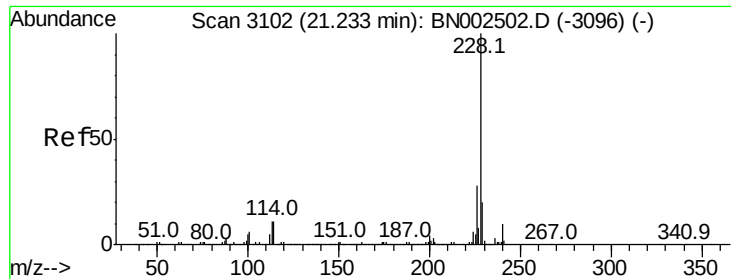
Tot Ion:202 Resp: 2162905
Ion Ratio Lower Upper
202 100
101 11.3 8.8 13.2
100 8.6 6.6 9.8



#79
Pyrene
Concen: 12.763 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. -0.00 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

Tgt Ion:202 Resp: 895296
Ion Ratio Lower Upper
202 100
101 12.5 10.2 15.2
100 10.1 8.5 12.7





#82

Benzo(a)anthracene

Concen: 13.221 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Instrument :

BNA_N

ClientSampled :

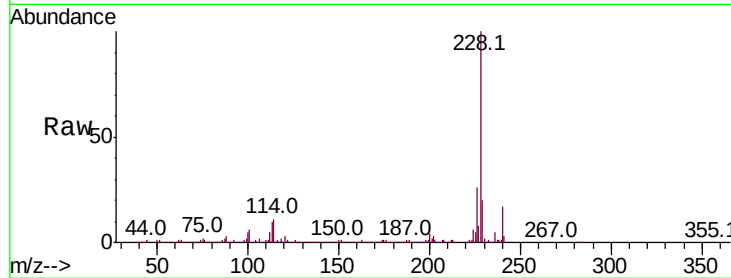
Tot Ion:228 Resp: 942341

Ion Ratio Lower Upper

228 100

229 19.6 15.7 23.5

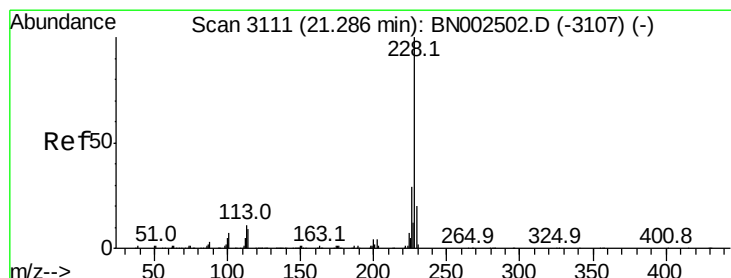
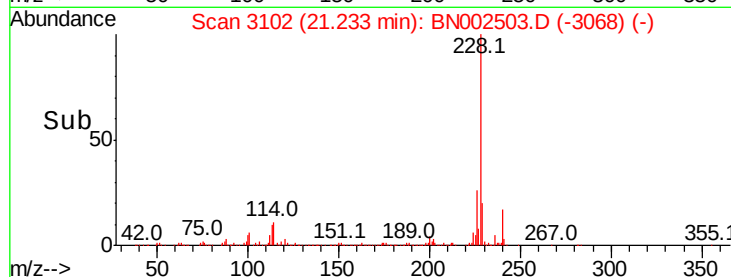
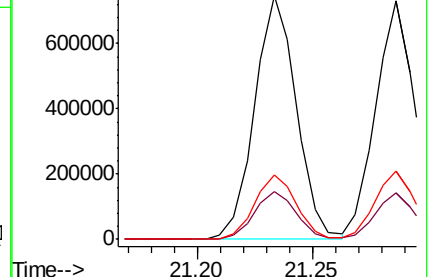
226 26.4 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 12.903 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

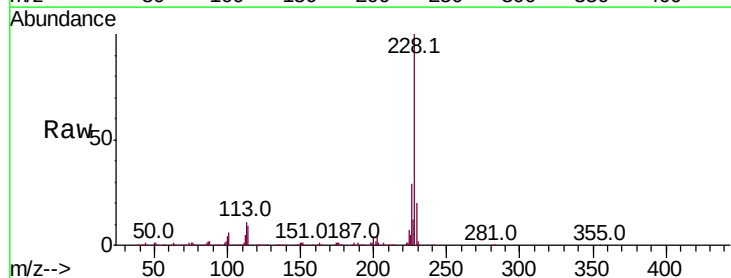
Tgt Ion:228 Resp: 870402

Ion Ratio Lower Upper

228 100

226 28.8 24.0 36.0

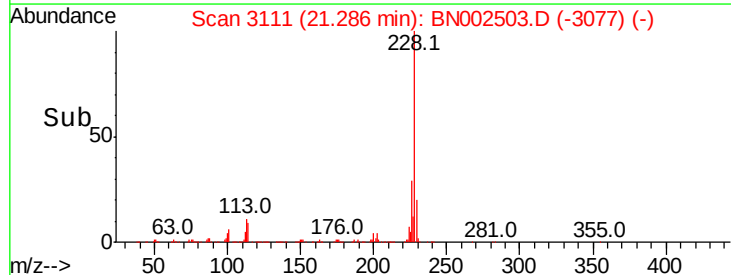
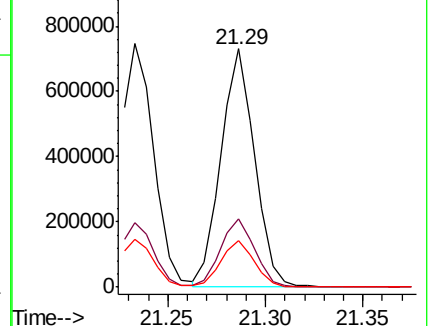
229 19.8 15.6 23.4

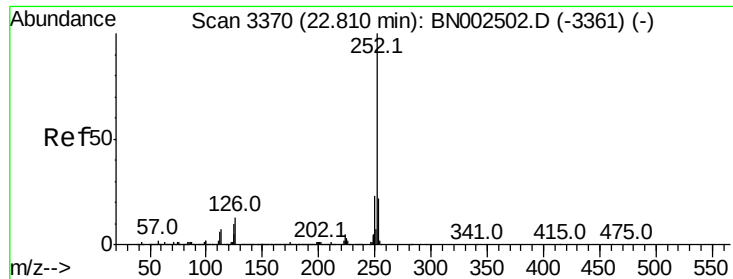


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

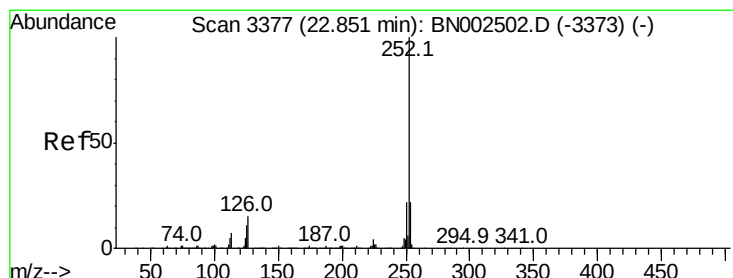
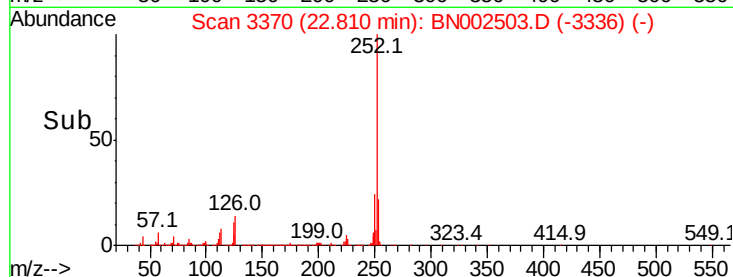
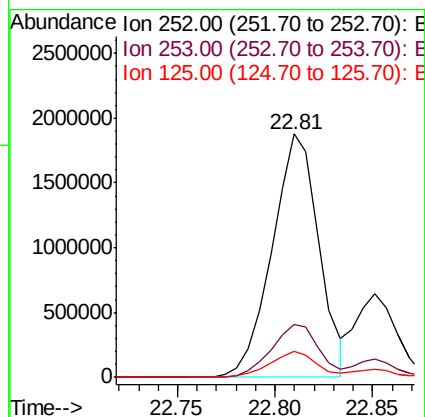
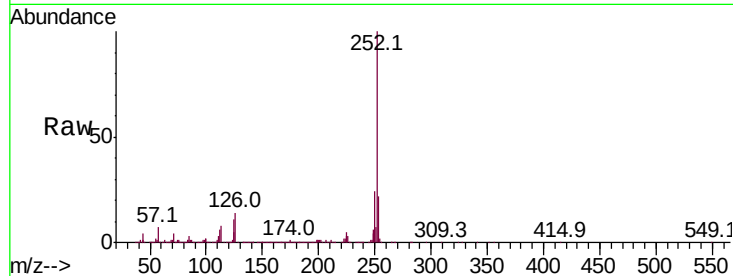




#87
Benzo(b)fluoranthene
Concen: 40.665 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. -0.00 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

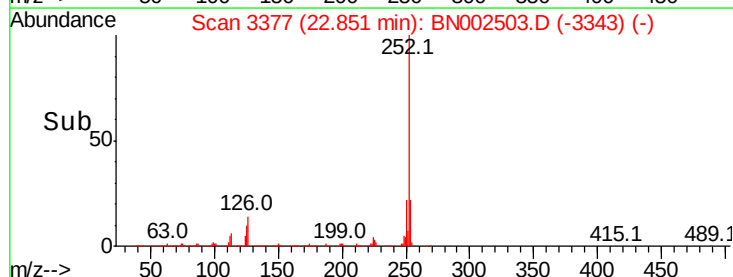
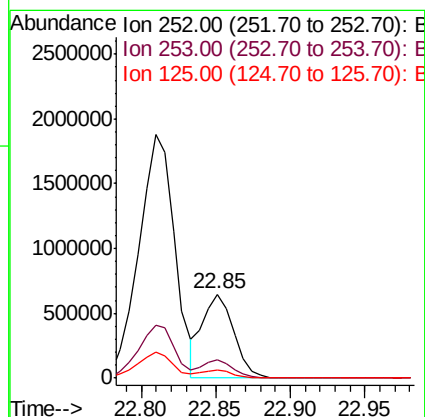
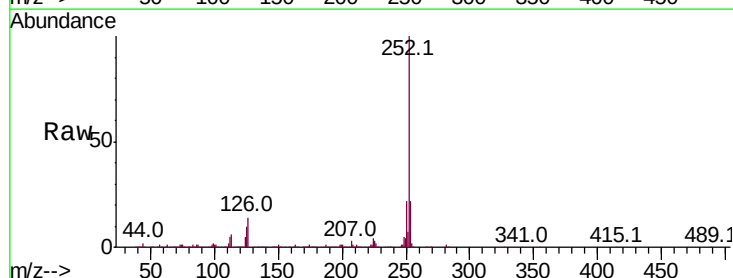
Instrument :
BNA_N
ClientSampleId :

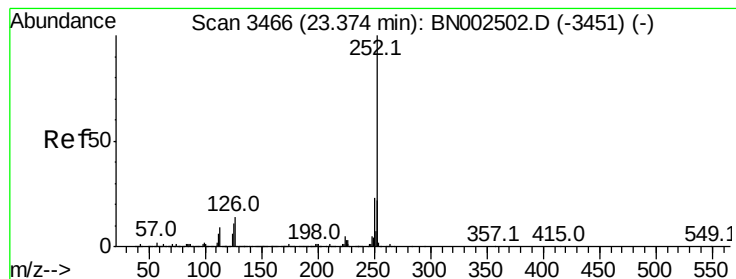
Tot Ion:252 Resp: 3112064
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.8 8.5 12.7



#88
Benzo(k)fluoranthene
Concen: 12.963 ng/ul
RT: 22.85 min Scan# 3377
Delta R.T. -0.00 min
Lab File: BN002503.D
Acq: 24 Aug 2018 16:29

Tgt Ion:252 Resp: 934635
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 9.7 8.2 12.2





#90

Benzo(a)pyrene

Concen: 11.030 ng/ul

RT: 23.37 min Scan# 3466

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Instrument :

BNA_N

ClientSampleId :

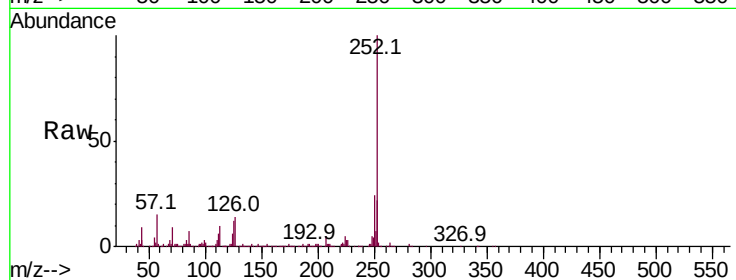
Tot Ion:252 Resp: 804123

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 11.6 9.0 13.6

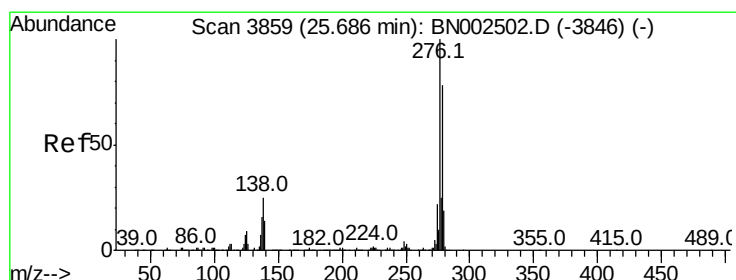
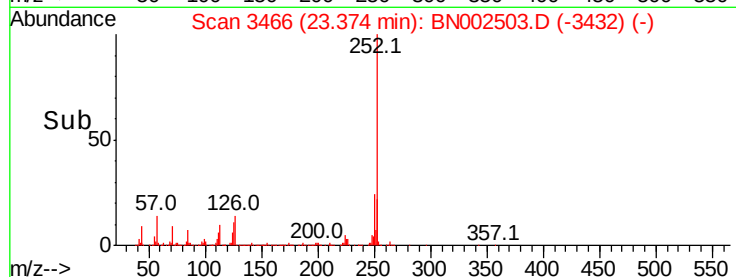
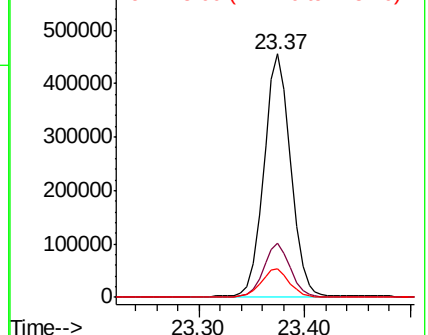


Abundance

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



#91

Indeno(1,2,3-cd)pyrene

Concen: 13.911 ng/ul

RT: 25.69 min Scan# 3859

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

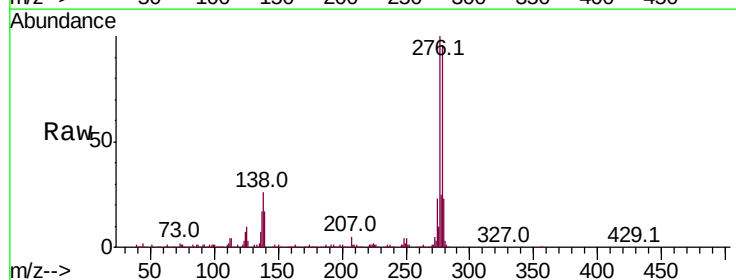
Tgt Ion:276 Resp: 1206491

Ion Ratio Lower Upper

276 100

138 26.0 22.3 33.5

277 25.1 20.2 30.2

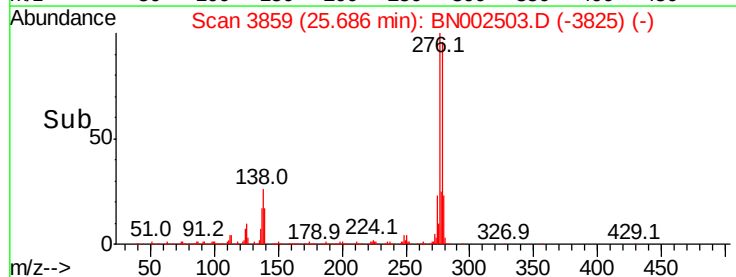
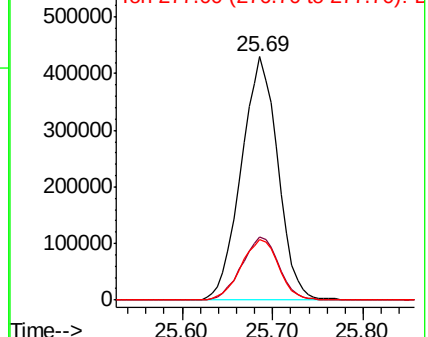


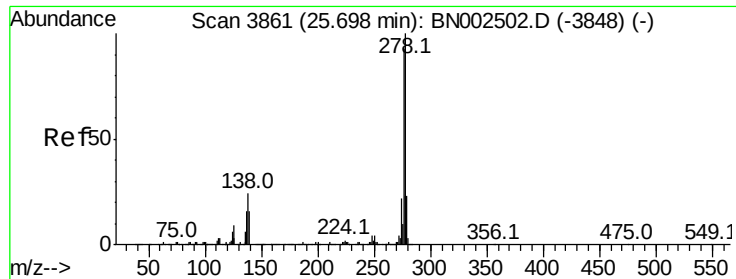
Abundance

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: 16.441 ng/ul

RT: 25.70 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

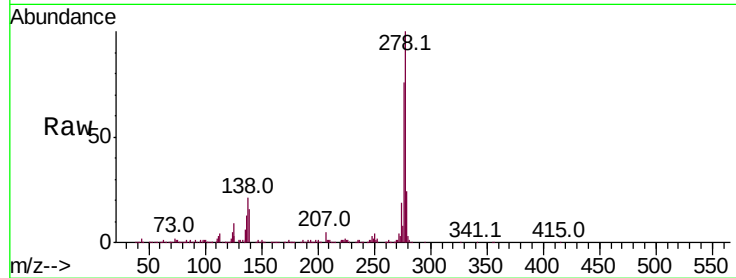
Instrument :

BNA_N

ClientSampleId :

Tot Ion:278 Resp: 1192056

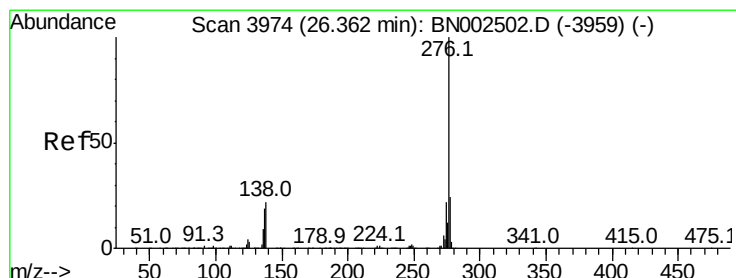
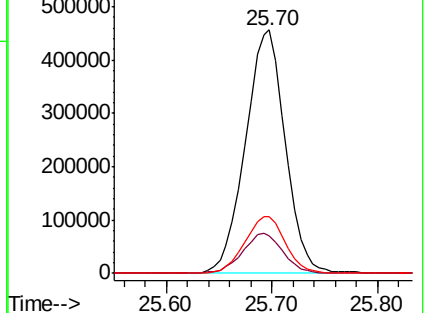
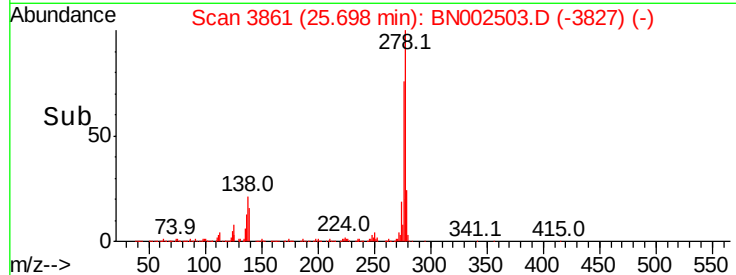
Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.9	20.9
279	23.5	19.0	28.4



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: 14.604 ng/ul

RT: 26.36 min Scan# 3974

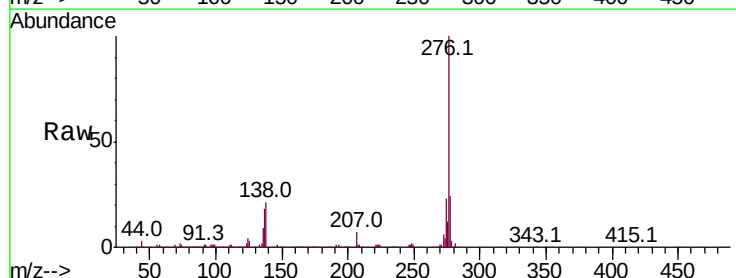
Delta R.T. -0.00 min

Lab File: BN002503.D

Acq: 24 Aug 2018 16:29

Tgt Ion:276 Resp: 1056799

Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.9	28.3
277	23.8	19.2	28.8



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

