

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005166.D
 Acq On : 22 Apr 2019 10:26
 Operator : JU/SJ
 Sample : K2365-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 X2G52

Quant Time: Apr 23 03:54:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 04:25:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	381056	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1641313	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	952760	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2041928	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1950046	20.00	ng/ul	0.02
85) Perylene-d12	23.43	264	2001913	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	48768	6.18	ng/uL	0.00
5) Phenol-d5	6.78	99	986442	32.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	619898	33.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	766159	33.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	796368	34.04	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	373389	36.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	400722	39.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	789916	33.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	1092074	45.11	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	2452591	35.46	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2989744	35.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	430043	39.38	ng/ul	0.00
57) Fluorene-d10	15.23	176	2018752	34.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	389881	42.45	ng/ul	0.00
70) Anthracene-d10	17.09	188	3019220	35.27	ng/ul	0.00
78) Pyrene-d10	19.40	212	3325694	33.34	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	3137771	35.87	ng/ul	0.05

Target Compounds

					Ovalue
8) Bis(2-Chloroethyl)ether	7.04	93	463134	18.789	ng/ul 98
12) 2,2'-oxybis(1-Chloropropan	8.13	45	634176	15.323	ng/ul 99
16) 4-Methylphenol	8.36	108	1120092	44.962	ng/ul 85
17) Hexachloroethane	8.66	117	577558	56.169	ng/ul 97
20) Nitrobenzene	8.78	77	539966	19.422	ng/ul 98
23) 2-Nitrophenol	9.49	139	493831	42.553	ng/ul 97
24) 2,4-Dimethylphenol	9.55	107	747456	25.723	ng/ul 100
25) Bis(2-Chloroethoxy)methane	9.79	93	614060	17.751	ng/ul 99
27) 2,4-Dichlorophenol	10.01	162	589675	25.452	ng/ul 97
30) 4-Chloroaniline	10.53	127	1723683	69.901	ng/ul 100
34) 2-Methylnaphthalene	12.03	142	1360730	24.356	ng/ul 98
37) Hexachlorocyclopentadiene	12.39	237	1010137	50.248	ng/ul 99
38) 2,4,6-Trichlorophenol	12.65	196	341449	19.204	ng/ul 98
41) 2-Chloronaphthalene	13.10	162	820444	15.027	ng/ul 98
42) 2-Nitroaniline	13.30	65	1091694	75.387	ng/ul 100
44) Dimethylphthalate	13.70	163	2154295	31.260	ng/ul 100
45) 2,6-Dinitrotoluene	13.81	165	203722	17.120	ng/ul 98
48) 3-Nitroaniline	14.14	138	854486	77.243	ng/ul 97
50) 2,4-Dinitrophenol	14.35	184	463374	79.942	ng/ul 99
52) 4-Nitrophenol	14.45	109	659125	66.494	ng/ul 92
59) 4-Chlorophenyl-phenylether	15.29	204	539879	15.895	ng/ul 98
60) 4-Nitroaniline	15.31	138	531975	38.574	ng/ul 98
63) 4,6-Dinitro-2-methylphenol	15.37	198	664020	67.935	ng/ul 97

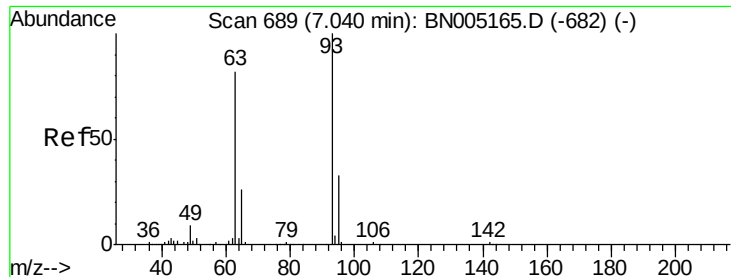
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 19 04:25:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.19	248	1268293	61.654	ng/ul	98
81) 3,3'-Dichlorobenzidine	21.15	252	915802	23.506	ng/ul	99

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



#8

Bis(2-Chloroethyl)ether

Concen: 18.789 ng/ul

RT: 7.04 min Scan# 689

Delta R.T. -0.01 min

Lab File: BN005166.D

Acq: 22 Apr 2019 10:26

Instrument :

BNA_N

ClientSampleId :

X2G52

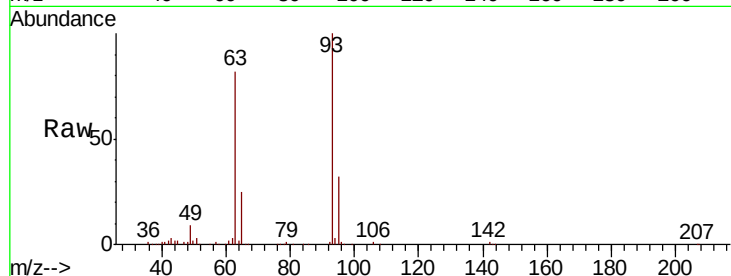
Tot Ion: 93 Resp: 463134

Ion Ratio Lower Upper

93 100

63 81.9 67.1 100.7

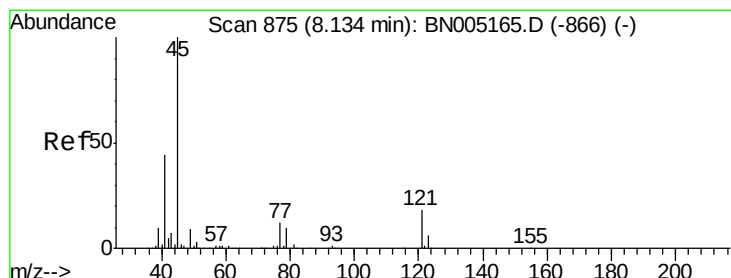
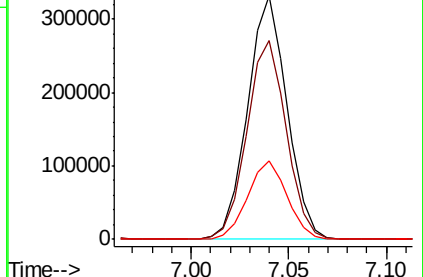
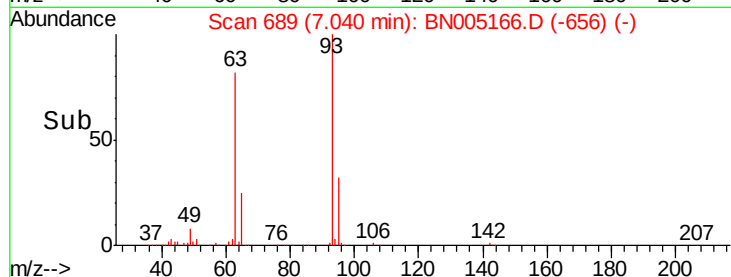
95 32.5 26.9 40.3



Abundance Ion 93.00 (92.70 to 93.70): BN005166.D (-656) (-)

Ion 63.00 (62.70 to 63.70): BN005166.D (-656) (-)

Ion 95.00 (94.70 to 95.70): BN005166.D (-656) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 15.323 ng/ul

RT: 8.13 min Scan# 875

Delta R.T. 0.00 min

Lab File: BN005166.D

Acq: 22 Apr 2019 10:26

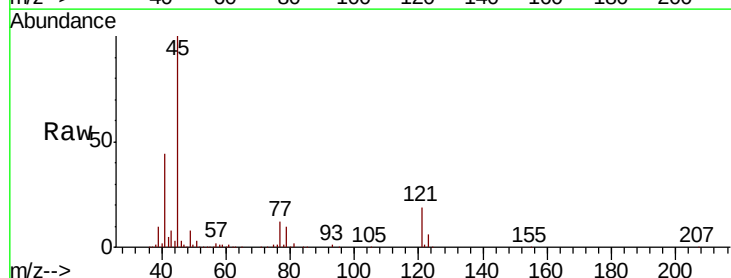
Tgt Ion: 45 Resp: 634176

Ion Ratio Lower Upper

45 100

77 12.4 9.8 14.6

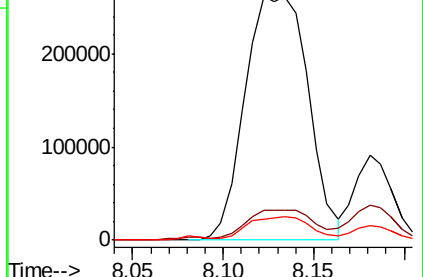
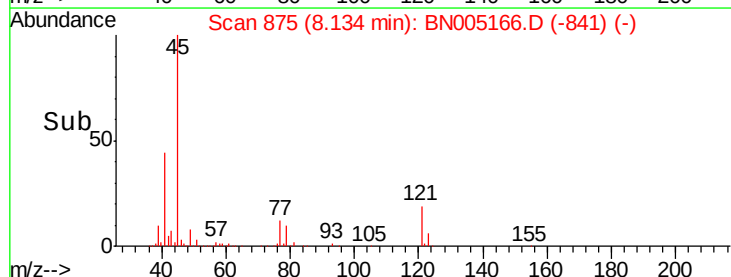
79 9.9 7.4 11.0

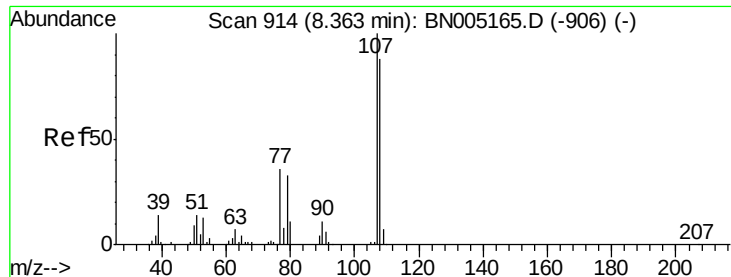


Abundance Ion 45.00 (44.70 to 45.70): BN005166.D (-841) (-)

Ion 77.00 (76.70 to 77.70): BN005166.D (-841) (-)

Ion 79.00 (78.70 to 79.70): BN005166.D (-841) (-)

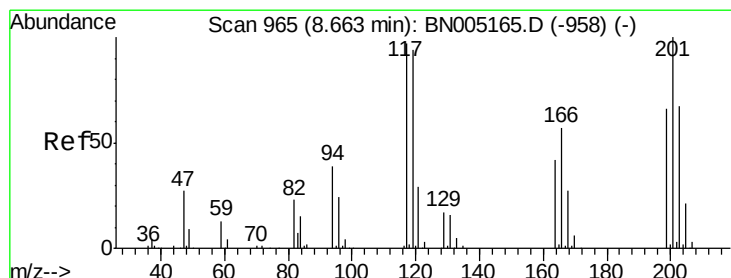
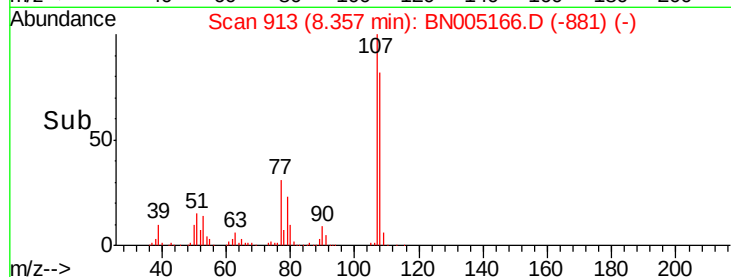
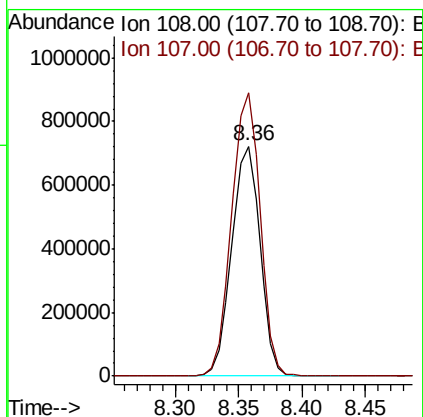
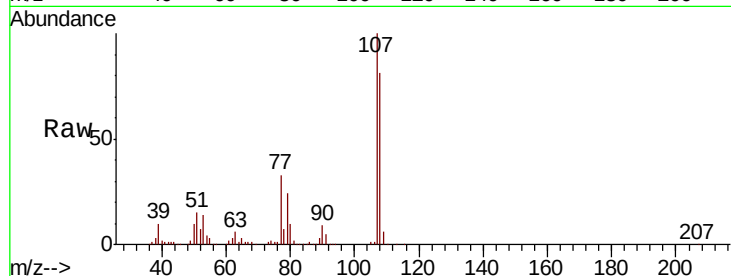




#16
4-Methylphenol
Concen: 44.962 ng/ul
RT: 8.36 min Scan# 913
Delta R.T. -0.01 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

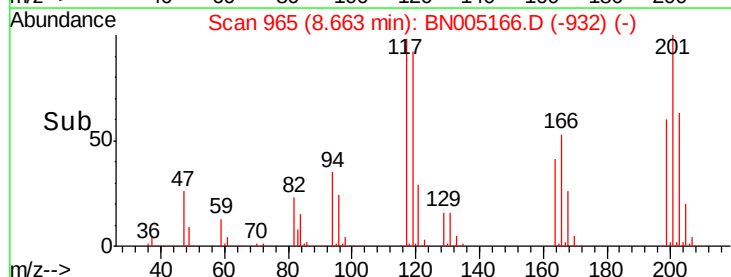
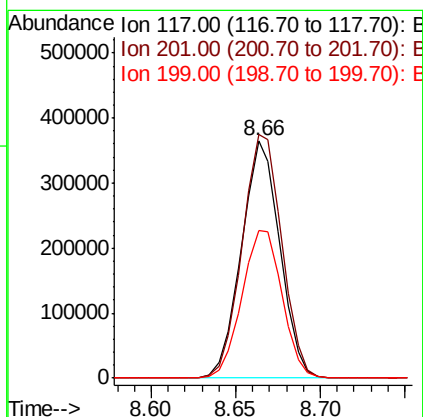
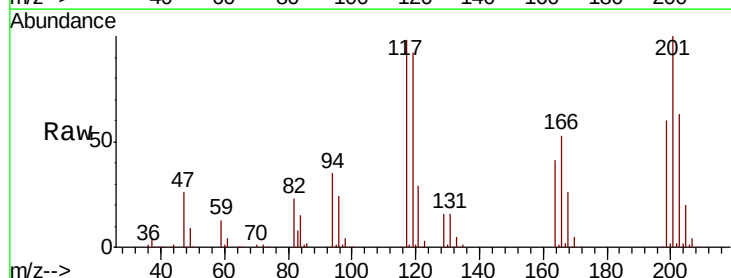
Instrument :
BNA_N
ClientSampleId :
X2G52

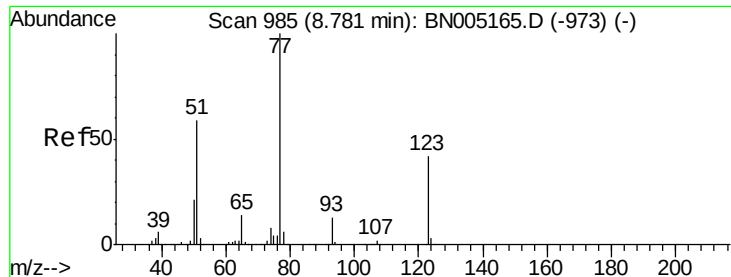
Tot Ion:108 Resp: 1120092
Ion Ratio Lower Upper
108 100
107 123.0 86.1 129.1



#17
Hexachloroethane
Concen: 56.169 ng/ul
RT: 8.66 min Scan# 965
Delta R.T. -0.01 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

Tgt Ion:117 Resp: 577558
Ion Ratio Lower Upper
117 100
201 102.5 84.1 126.1
199 62.0 51.2 76.8

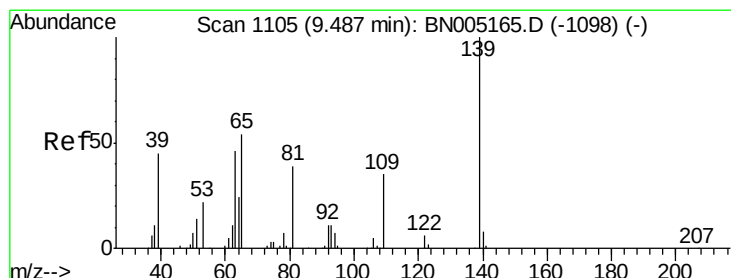
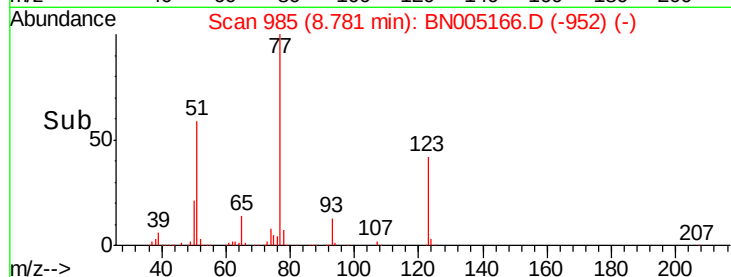
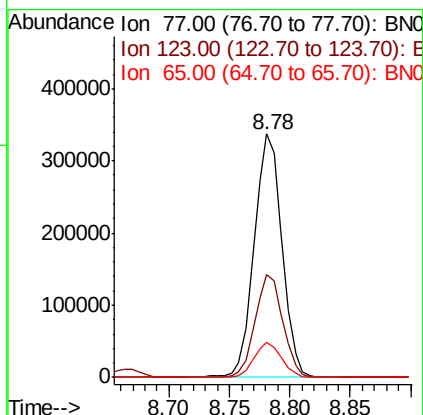
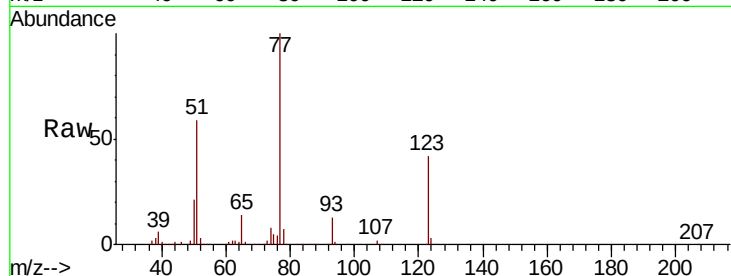




#20
Nitrobenzene
Concen: 19.422 ng/ul
RT: 8.78 min Scan# 985
Delta R.T. -0.01 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

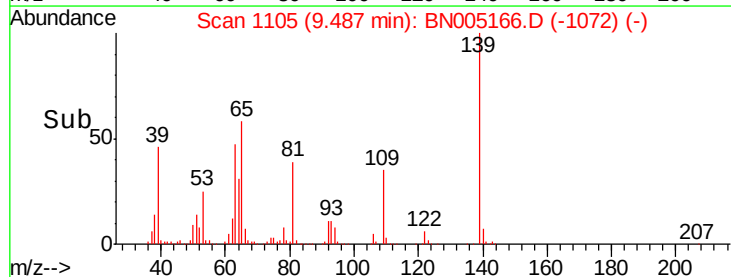
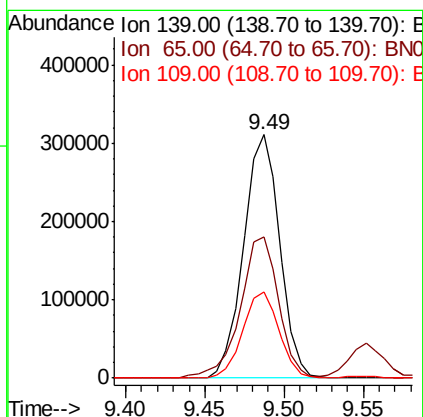
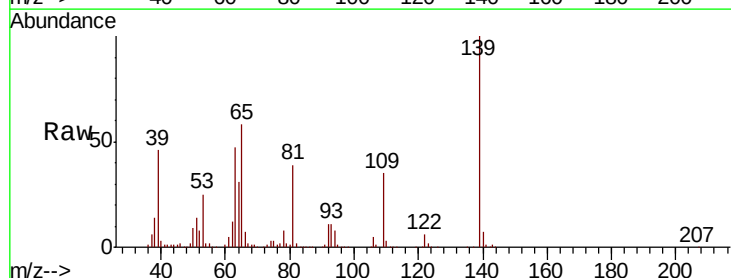
Instrument :
BNA_N
ClientSampled :
X2G52

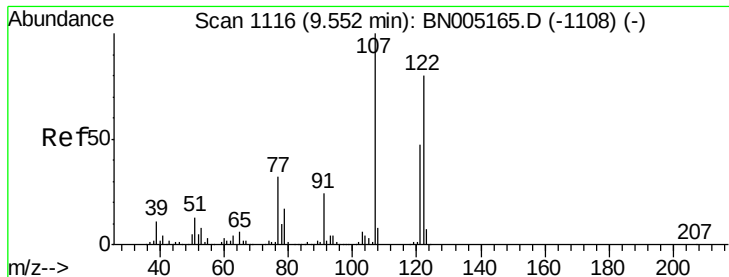
Tot Ion	Ratio	Lower	Upper
77	100		
123	42.2	32.6	49.0
65	14.1	11.6	17.4



#23
2-Nitrophenol
Concen: 42.553 ng/ul
RT: 9.49 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
139	100		
65	57.7	44.2	66.4
109	35.2	26.8	40.2

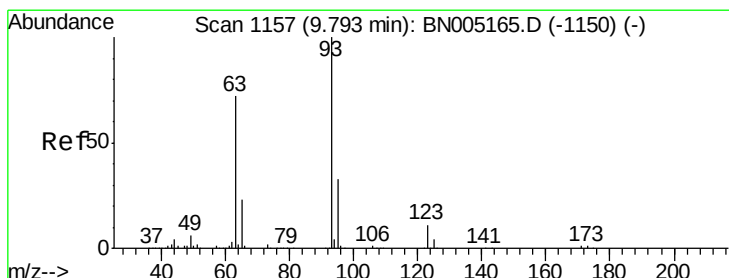
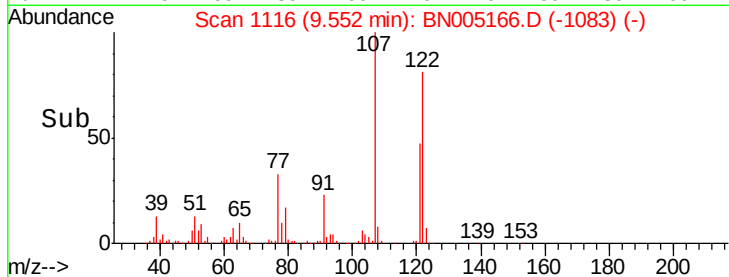
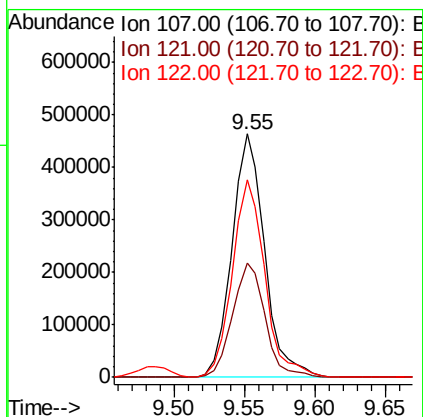
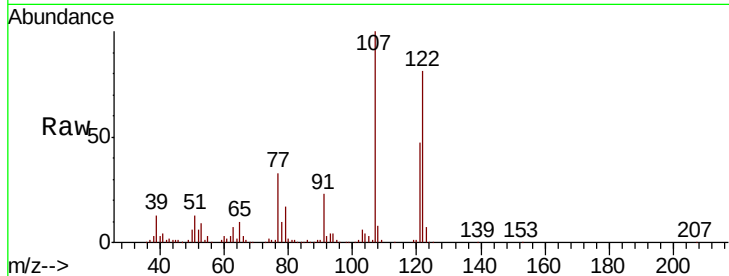




#24
 2,4-Dimethylphenol
 Concen: 25.723 ng/ul
 RT: 9.55 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

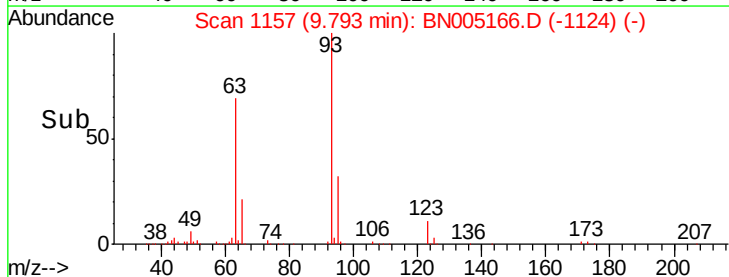
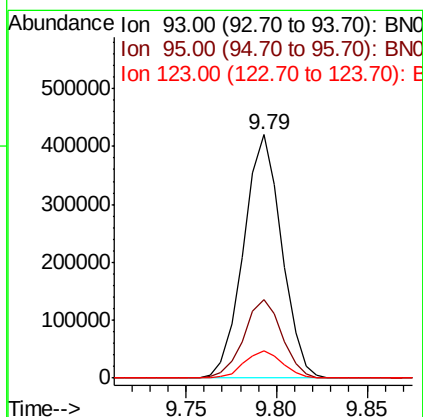
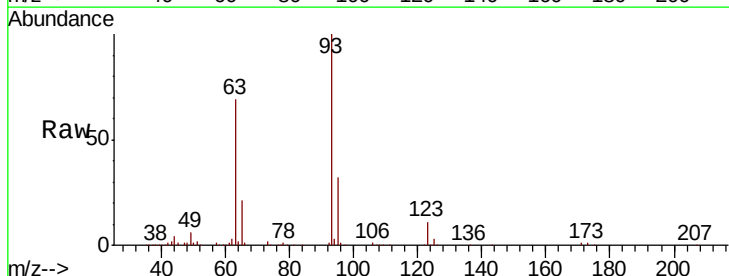
Instrument :
 BNA_N
 ClientSampleId :
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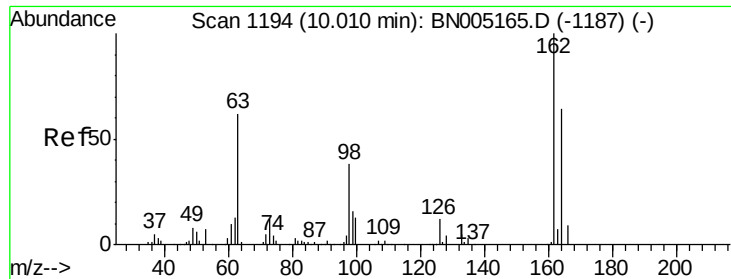
Tot Ion	Ratio	Lower	Upper
107	100		
121	47.2	37.8	56.8
122	81.2	65.0	97.4



#25
 Bis(2-Chloroethoxy)methane
 Concen: 17.751 ng/ul
 RT: 9.79 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	39.8
123	11.0	8.9	13.3

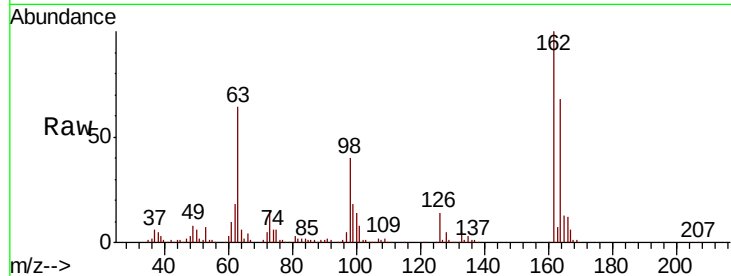




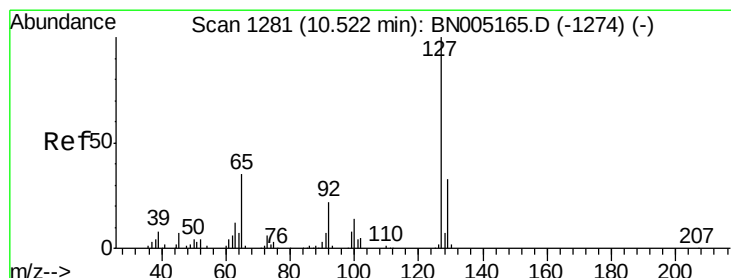
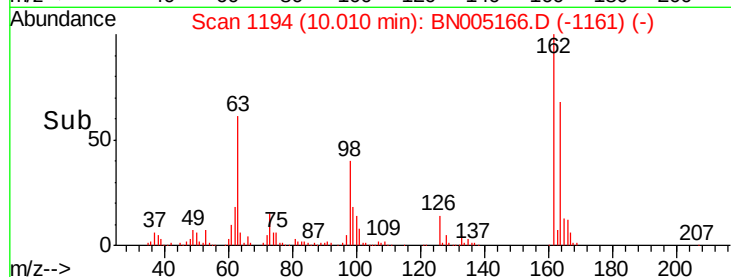
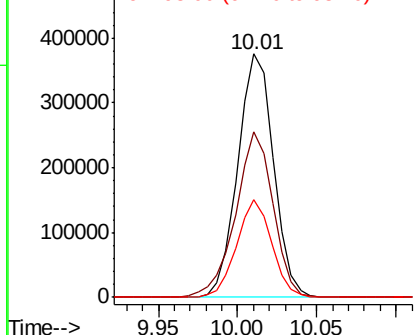
#27
 2,4-Dichlorophenol
 Concen: 25.452 ng/ul
 RT: 10.01 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Instrument :
 BNA_N
 ClientSampleId :
 X2G52

Tot Ion	Ratio	Lower	Upper
162	100		
164	67.9	52.6	79.0
98	39.9	30.8	46.2

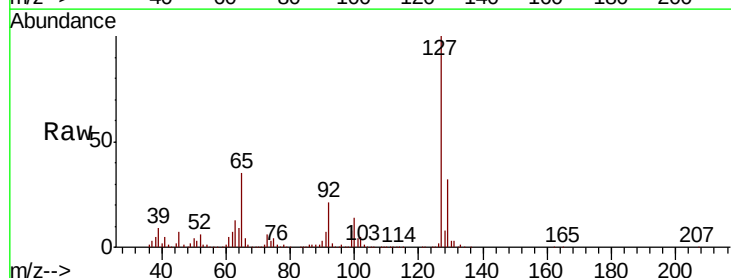


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BNC

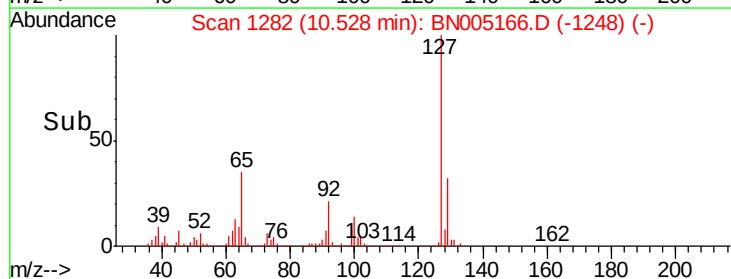
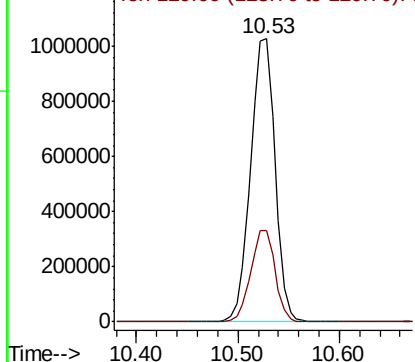


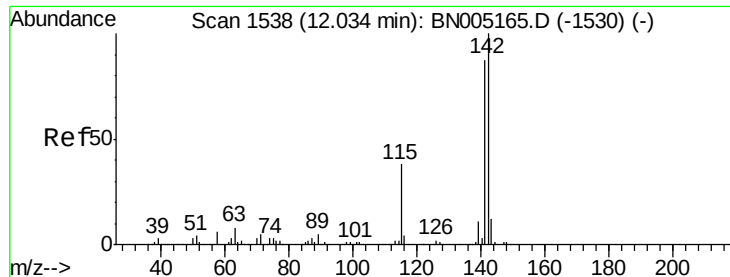
#30
 4-Chloroaniline
 Concen: 69.901 ng/ul
 RT: 10.53 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6



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

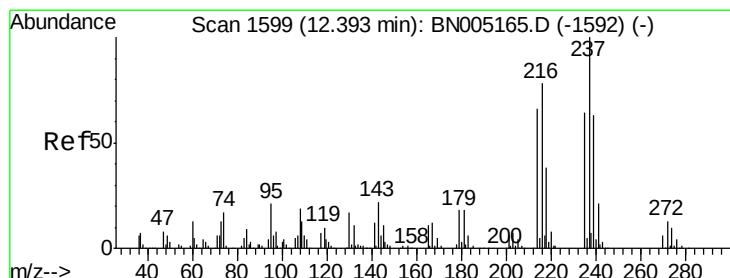
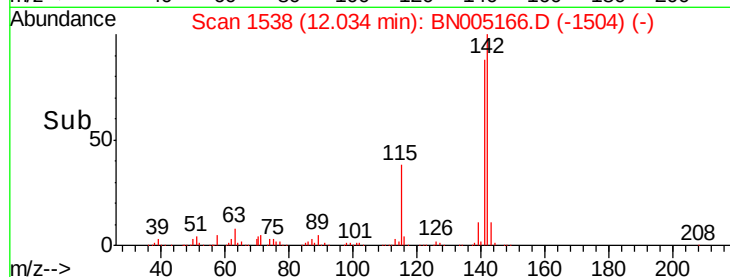
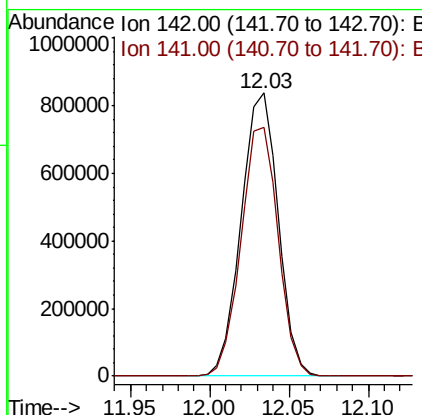
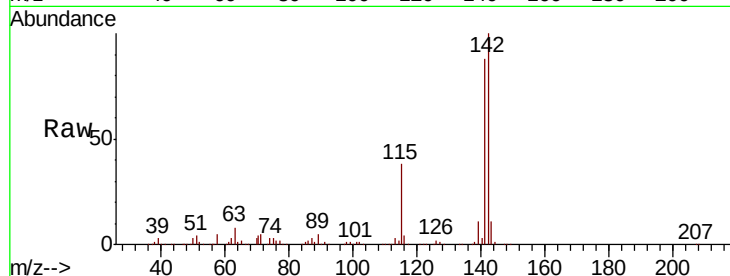




#34
2-Methylnaphthalene
Concen: 24.356 ng/ul
RT: 12.03 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

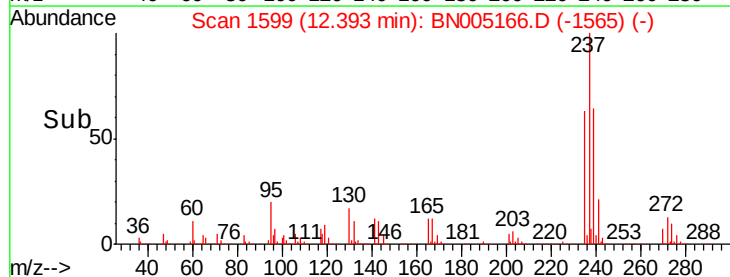
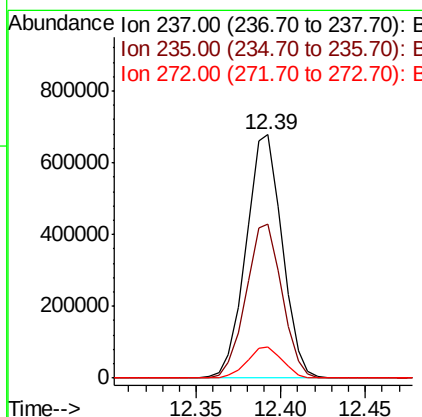
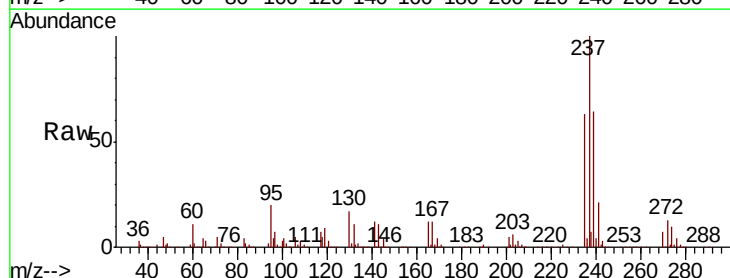
Instrument :
BNA_N
ClientSampleId :
X2G52

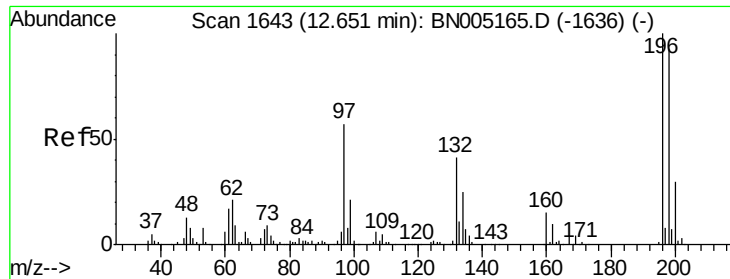
Tot Ion:142 Resp: 1360730
Ion Ratio Lower Upper
142 100
141 87.8 72.0 108.0



#37
Hexachlorocyclopentadiene
Concen: 50.248 ng/ul
RT: 12.39 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

Tgt Ion:237 Resp: 1010137
Ion Ratio Lower Upper
237 100
235 63.5 51.1 76.7
272 12.7 9.5 14.3

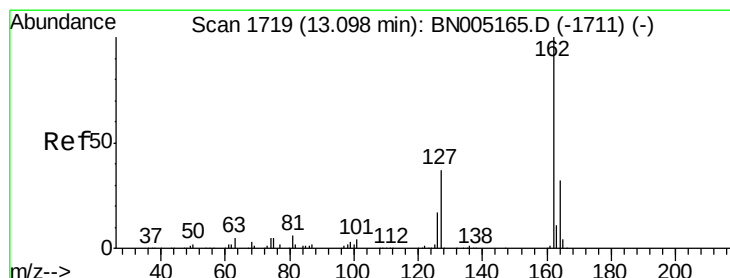
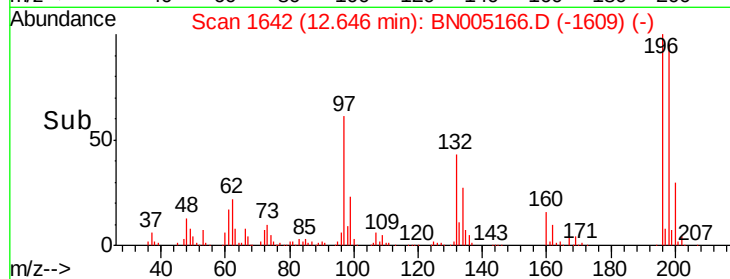
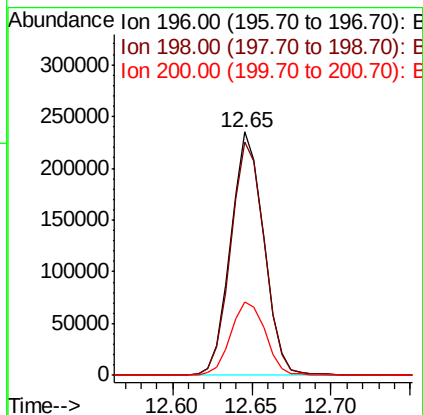
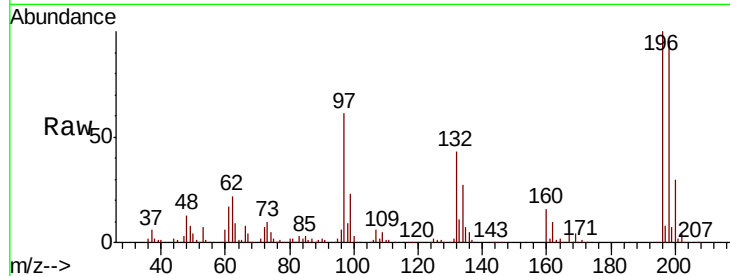




#38
 2,4,6-Trichlorophenol
 Concen: 19.204 ng/ul
 RT: 12.65 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

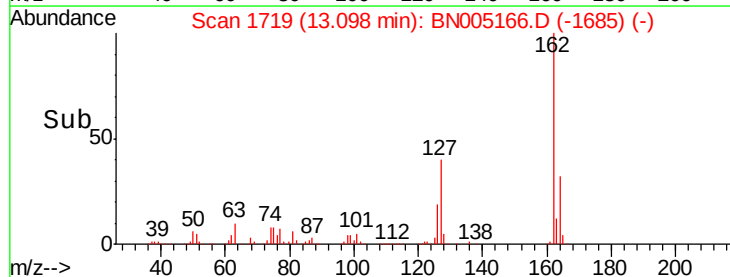
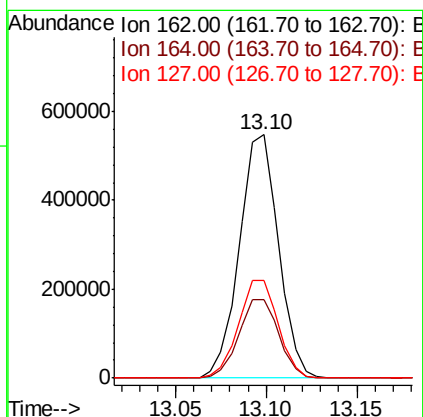
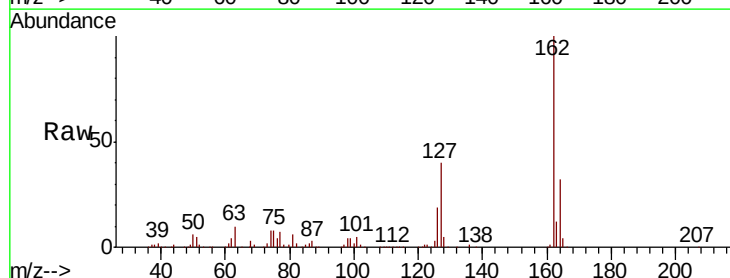
Instrument :
 BNA_N
 ClientSampleId :
 X2G52

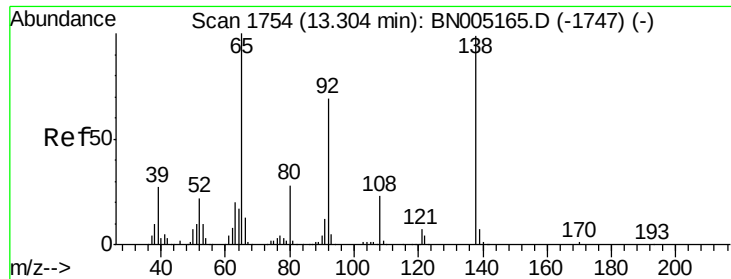
Tot Ion:196 Resp: 341449
 Ion Ratio Lower Upper
 196 100
 198 96.1 74.8 112.2
 200 30.3 23.5 35.3



#41
 2-Chloronaphthalene
 Concen: 15.027 ng/ul
 RT: 13.10 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Tgt Ion:162 Resp: 820444
 Ion Ratio Lower Upper
 162 100
 164 32.3 26.8 40.2
 127 40.2 33.5 50.3

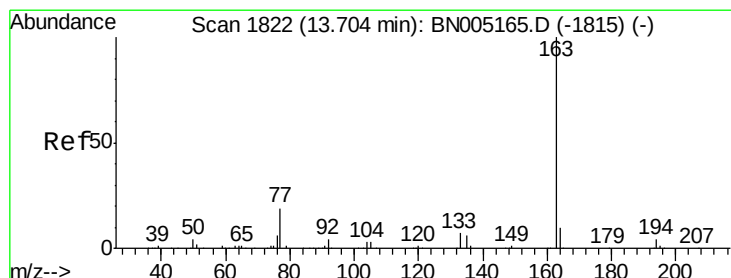
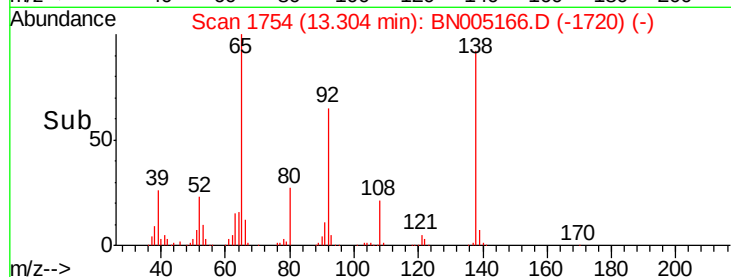
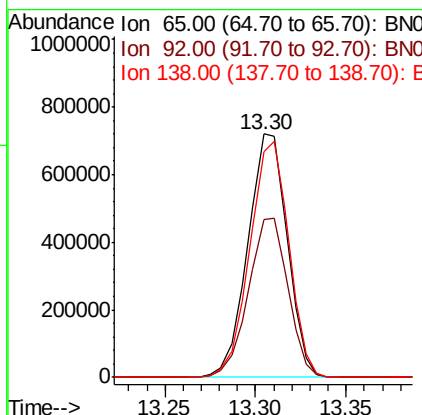
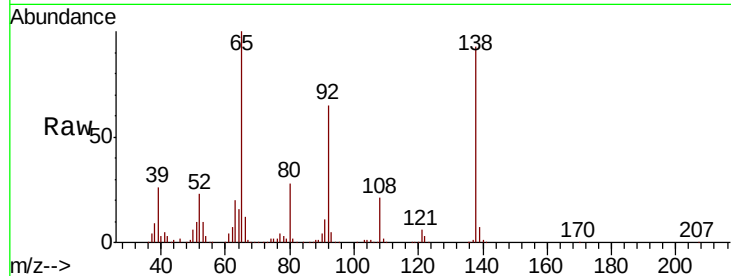




#42
 2-Nitroaniline
 Concen: 75.387 ng/ul
 RT: 13.30 min Scan# 1754
 Delta R.T. 0.00 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

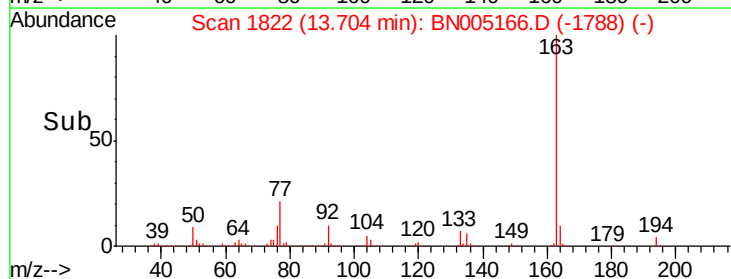
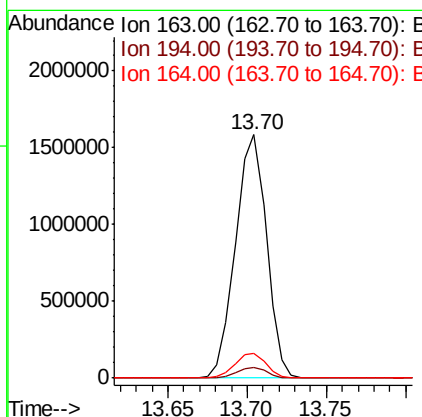
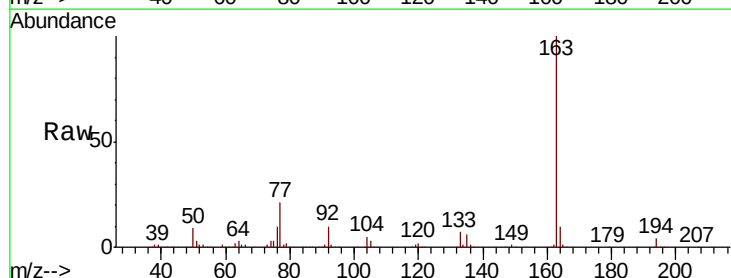
Instrument :
 BNA_N
 ClientSampleId :
 X2G52

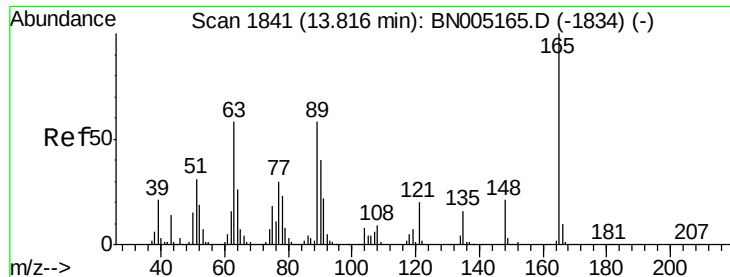
Tot Ion: 65 Resp: 1091694
 Ion Ratio Lower Upper
 65 100
 92 65.0 51.6 77.4
 138 92.5 73.9 110.9



#44
 Dimethylphthalate
 Concen: 31.260 ng/ul
 RT: 13.70 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Tgt Ion: 163 Resp: 2154295
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.0
 164 10.1 8.1 12.1

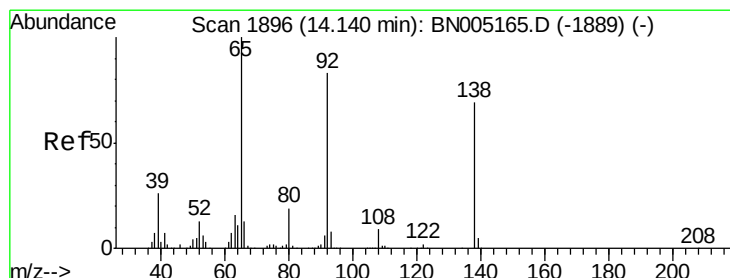
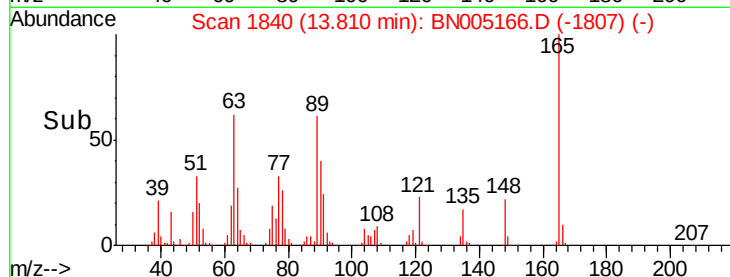
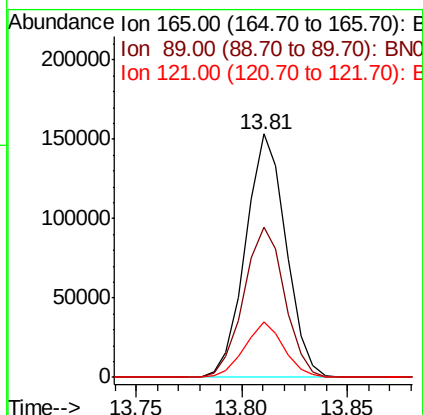
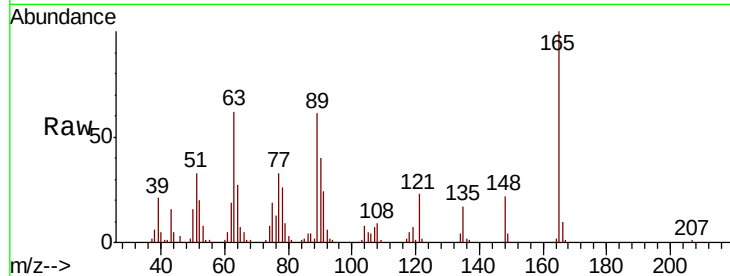




#45
 2,6-Dinitrotoluene
 Concen: 17.120 ng/ul
 RT: 13.81 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

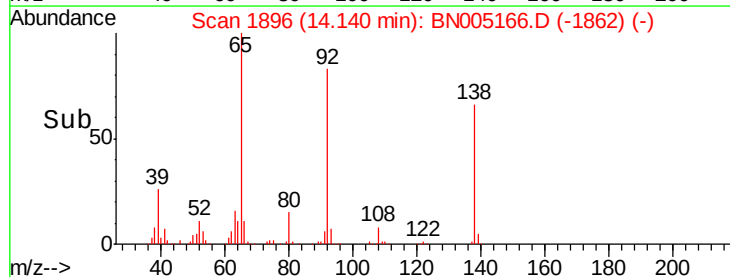
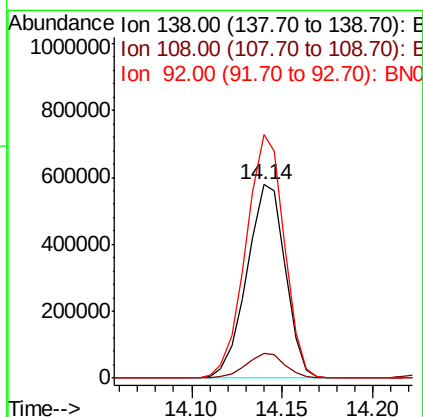
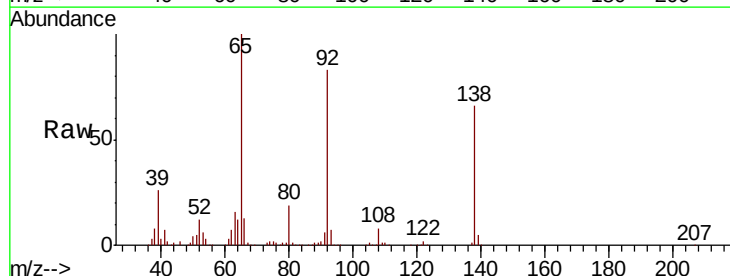
Instrument :
 BNA_N
 ClientSampleId :
 X2G52

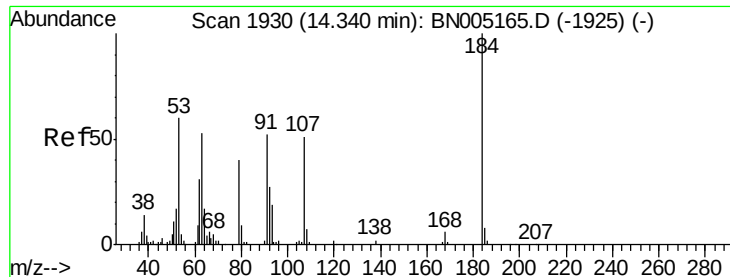
Tot Ion	Ratio	Lower	Upper
165	100		
89	61.5	50.2	75.2
121	22.7	19.4	29.2



#48
 3-Nitroaniline
 Concen: 77.243 ng/ul
 RT: 14.14 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.7	12.1	18.1
92	125.8	102.9	154.3

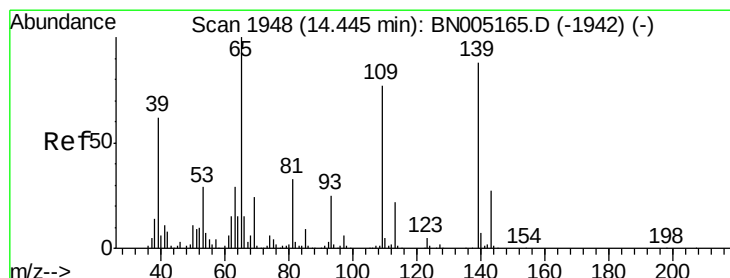
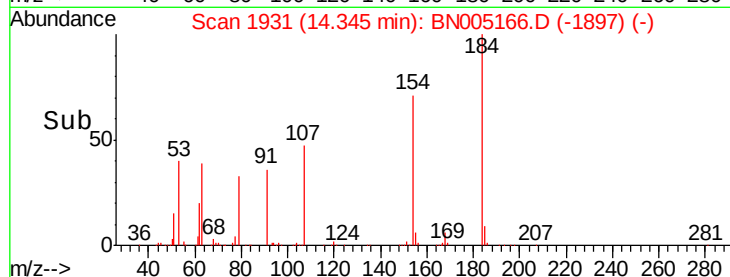
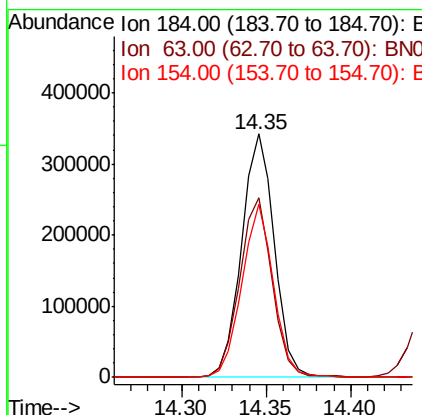
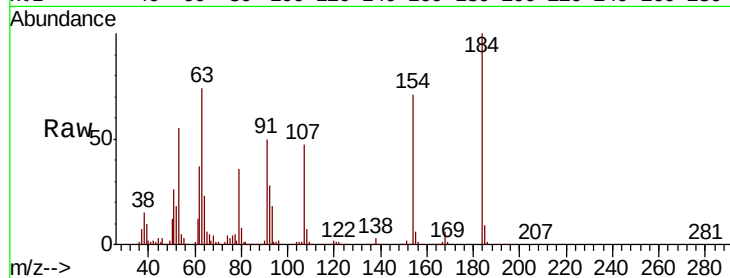




#50
2,4-Dinitrophenol
Concen: 79.942 ng/ul
RT: 14.35 min Scan# 1931
Delta R.T. 0.00 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

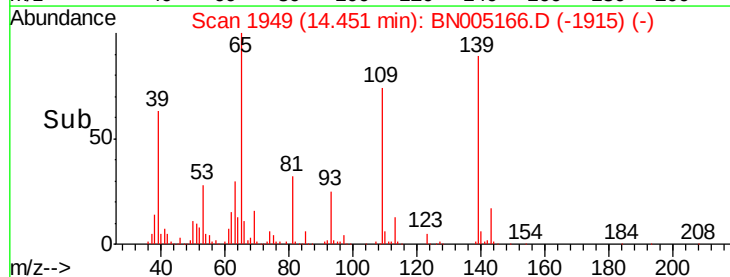
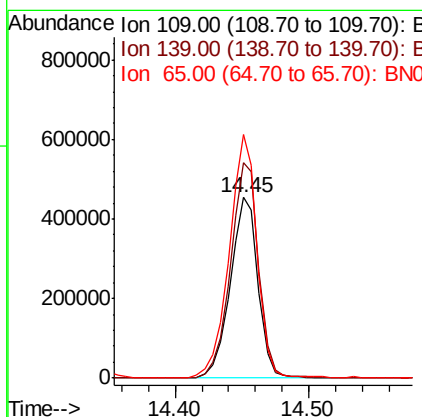
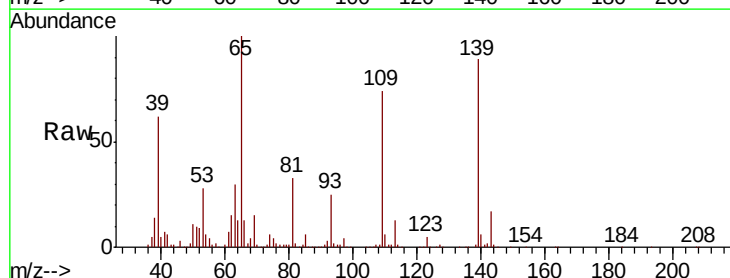
Instrument :
BNA_N
ClientSampleId :
X2G52

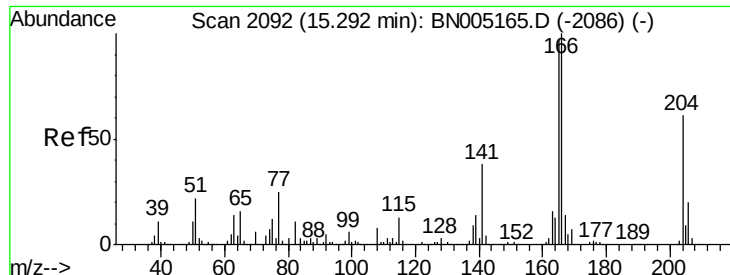
Tot Ion:184 Resp: 463374
Ion Ratio Lower Upper
184 100
63 73.8 59.8 89.8
154 71.3 56.3 84.5



#52
4-Nitrophenol
Concen: 66.494 ng/ul
RT: 14.45 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

Tgt Ion:109 Resp: 659125
Ion Ratio Lower Upper
109 100
139 119.5 92.3 138.5
65 134.7 97.5 146.3

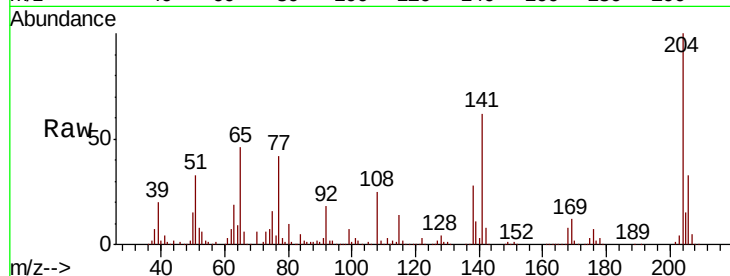




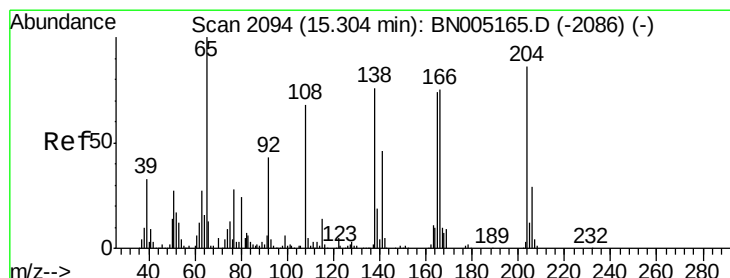
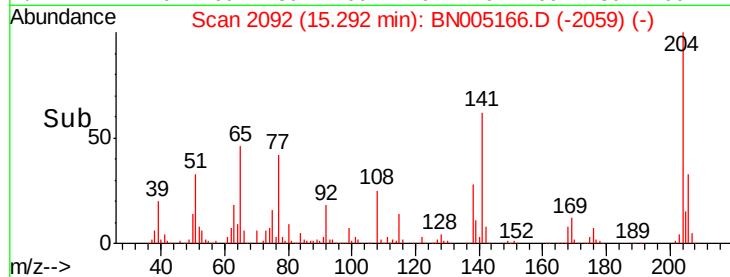
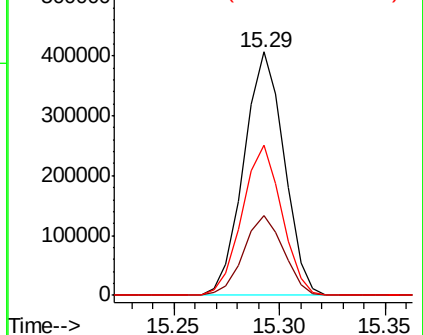
#59
4-Chlorophenyl-phenylether
Concen: 15.895 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. -0.01 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

Instrument :
BNA_N
ClientSampled :
X2G52

Tot Ion:204 Resp: 539879
Ion Ratio Lower Upper
204 100
206 32.8 26.9 40.3
141 61.6 47.9 71.9

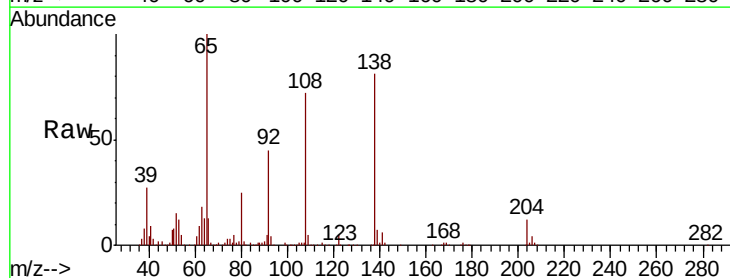


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

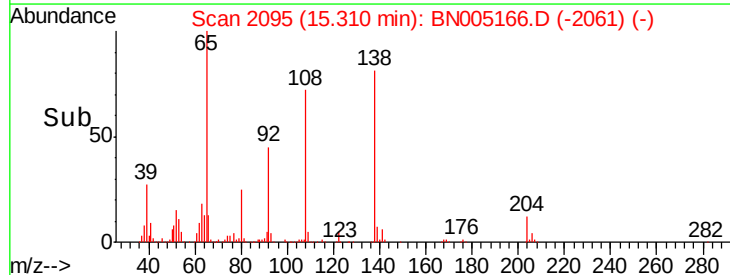
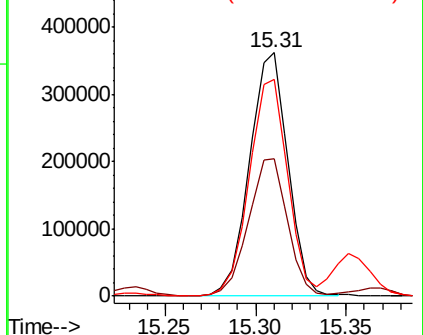


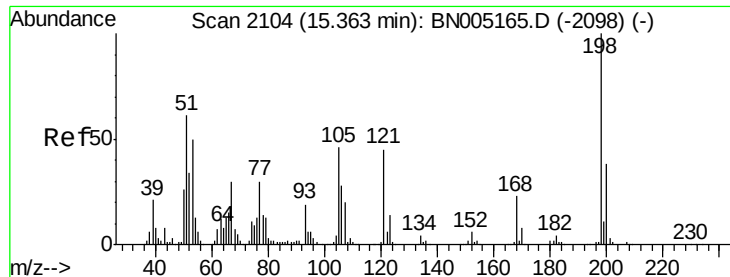
#60
4-Nitroaniline
Concen: 38.574 ng/ul
RT: 15.31 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BN005166.D
Acq: 22 Apr 2019 10:26

Tgt Ion:138 Resp: 531975
Ion Ratio Lower Upper
138 100
92 56.3 45.3 67.9
108 89.0 73.2 109.8



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

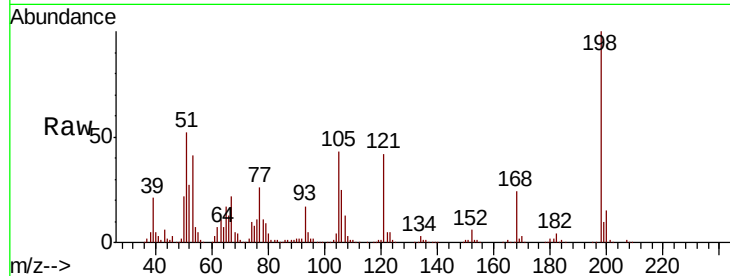




#63
 4,6-Dinitro-2-methylphenol
 Concen: 67.935 ng/ul
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Instrument :
 BNA_N
 ClientSampleId :
 X2G52

Tot Ion	Ratio	Lower	Upper
198	100		
182	3.9	3.0	4.6
77	25.7	21.9	32.9

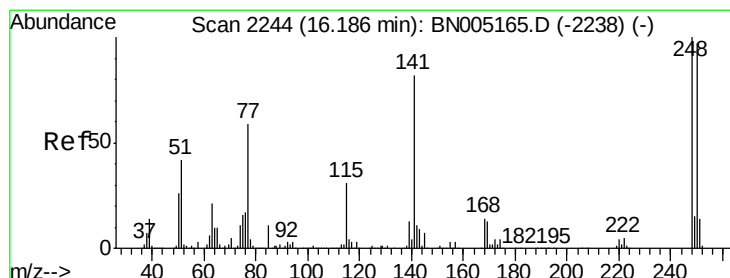
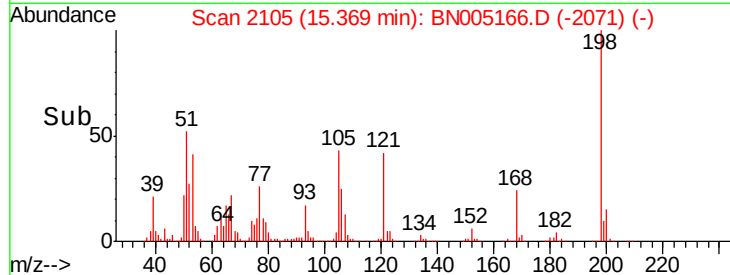
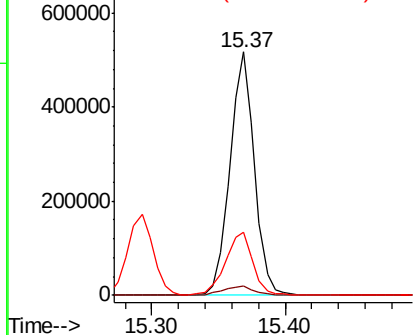


Abundance

Ion 198.00 (197.70 to 198.70): E

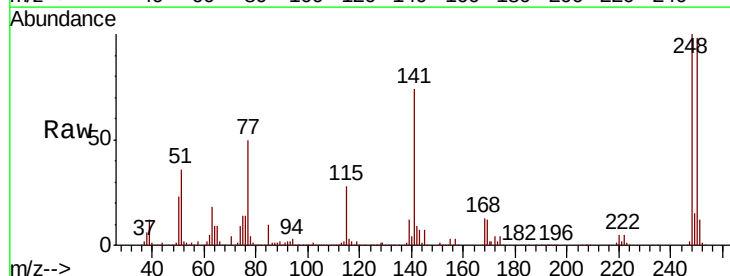
Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNC



#65
 4-Bromophenyl-phenylether
 Concen: 61.654 ng/ul
 RT: 16.19 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.4	117.6
141	74.2	61.8	92.6

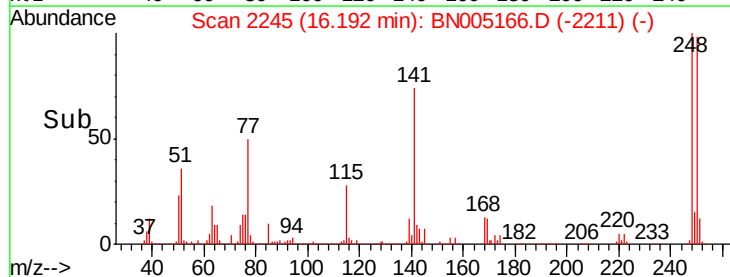
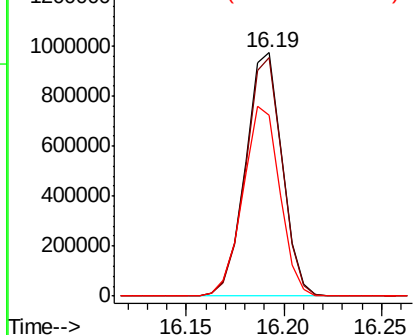


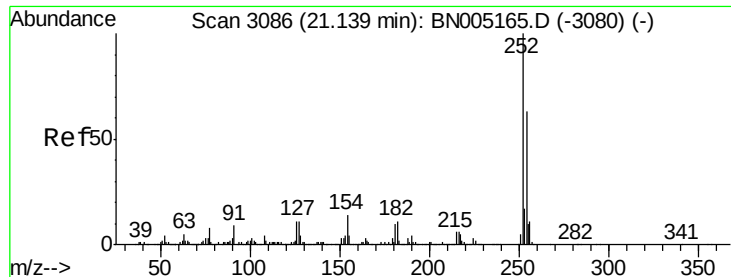
Abundance

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





#81
 3,3'-Dichlorobenzidine
 Concen: 23.506 ng/ul
 RT: 21.15 min Scan# 3087
 Delta R.T. 0.02 min
 Lab File: BN005166.D
 Acq: 22 Apr 2019 10:26

Instrument :
 BNA_N
 ClientSampleId :
 X2G52

Tot Ion	Ratio	Lower	Upper
252	100		
254	62.9	51.1	76.7
126	10.9	9.4	14.0

