

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071618\
 Data File : BN002049.D
 Acq On : 16 Jul 2018 15:42
 Operator : JU/SJ
 Sample : J3967-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DB1D5

Quant Time: Jul 17 13:03:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 17 00:49:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	440103	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2029099	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1210965	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	2789920	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	3067540	20.00	ng/ul	0.00
85) Perylene-d12	23.52	264	3197661	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	53008	5.43	ng/uL	0.00
5) Phenol-d5	6.89	99	1184515	28.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	779857	30.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	938406	28.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	997645	29.88	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	505022	30.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	573562	30.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	997851	29.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1522953	38.50	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3468424	33.79	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4055339	31.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	698278	35.61	ng/ul	0.00
57) Fluorene-d10	15.33	176	2854127	32.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	641529	35.30	ng/ul	0.00
70) Anthracene-d10	17.19	188	4492465	33.03	ng/ul	0.00
78) Pyrene-d10	19.49	212	5043730	31.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.39	264	5832279	33.78	ng/ul	0.00

Target Compounds

					Ovalue
8) Bis(2-Chloroethyl)ether	7.13	93	541448	17.061	ng/ul# 86
12) 2,2'-oxybis(1-Chloropropan	8.23	45	741496	14.213	ng/ul# 84
16) 4-Methylphenol	8.47	108	1399366	40.289	ng/ul 88
17) Hexachloroethane	8.77	117	643034	49.823	ng/ul 99
20) Nitrobenzene	8.89	77	652066	16.853	ng/ul 96
23) 2-Nitrophenol	9.60	139	668917	34.361	ng/ul 89
24) 2,4-Dimethylphenol	9.66	107	906746	23.264	ng/ul 99
25) Bis(2-Chloroethoxy)methane	9.90	93	763582	16.385	ng/ul 99
27) 2,4-Dichlorophenol	10.13	162	737542	22.329	ng/ul 99
30) 4-Chloroaniline	10.65	127	2339364	60.208	ng/ul 98
34) 2-Methylnaphthalene	12.15	142	1755193	22.447	ng/ul 98
37) Hexachlorocyclopentadiene	12.50	237	1120574	44.989	ng/ul 99
38) 2,4,6-Trichlorophenol	12.76	196	445551	16.507	ng/ul 100
41) 2-Chloronaphthalene	13.20	162	1067429	13.622	ng/ul 95
42) 2-Nitroaniline	13.42	65	1557784	61.829	ng/ul 83
44) Dimethylphthalate	13.80	163	3009379	29.931	ng/ul 98
45) 2,6-Dinitrotoluene	13.92	165	312579	14.710	ng/ul 98
48) 3-Nitroaniline	14.25	138	1401884	66.927	ng/ul 94
50) 2,4-Dinitrophenol	14.46	184	814841	65.187	ng/ul# 1
52) 4-Nitrophenol	14.57	109	836650	61.043	ng/ul# 77
59) 4-Chlorophenyl-phenylether	15.39	204	693662	14.633	ng/ul 91
60) 4-Nitroaniline	15.42	138	958524	39.525	ng/ul 90
63) 4,6-Dinitro-2-methylphenol	15.48	198	1084632	57.650	ng/ul 95

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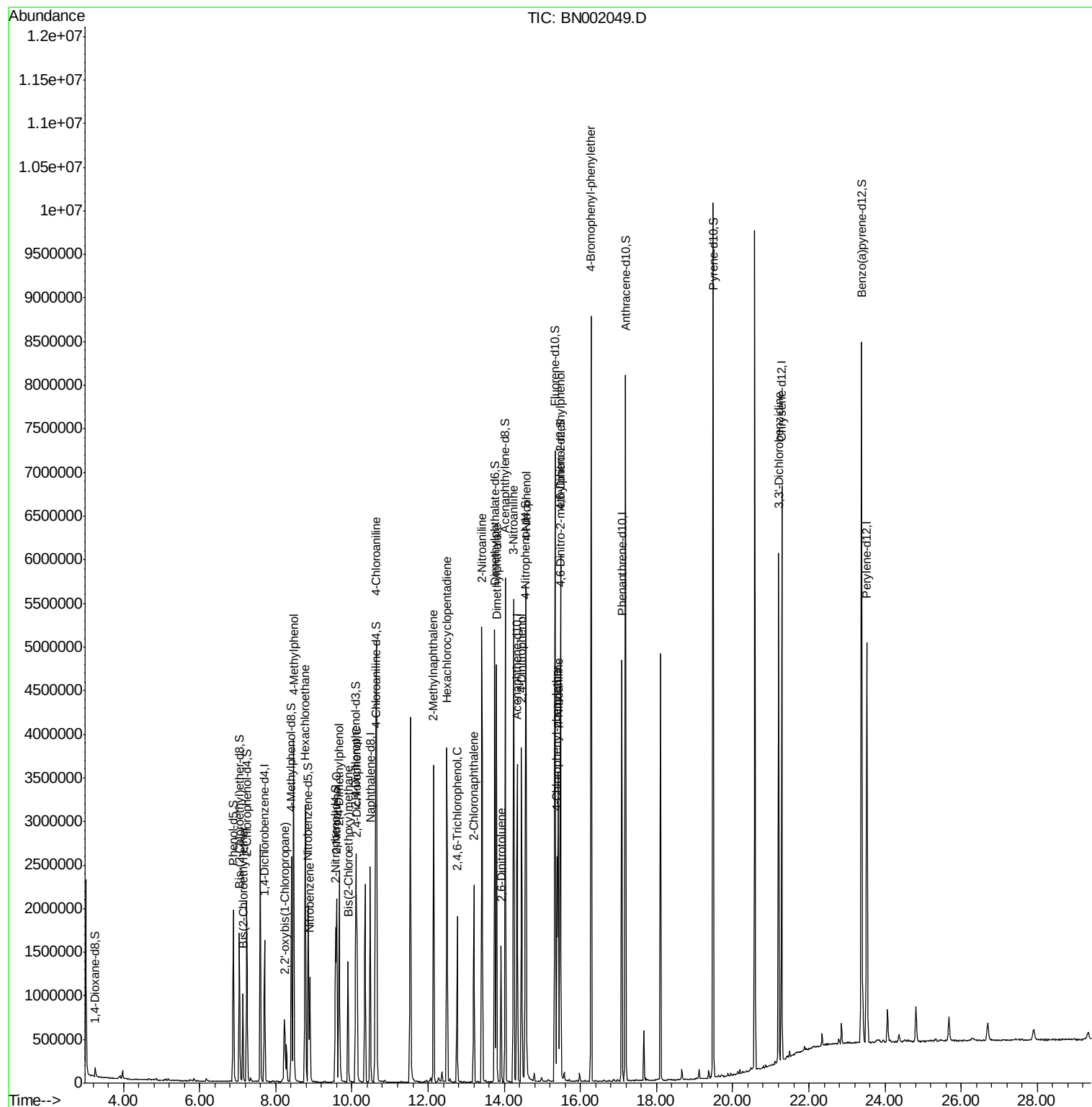
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.28	248	1680688	54.747	ng/ul	90
81) 3,3'-Dichlorobenzidine	21.20	252	1614926	24.828	ng/ul	99

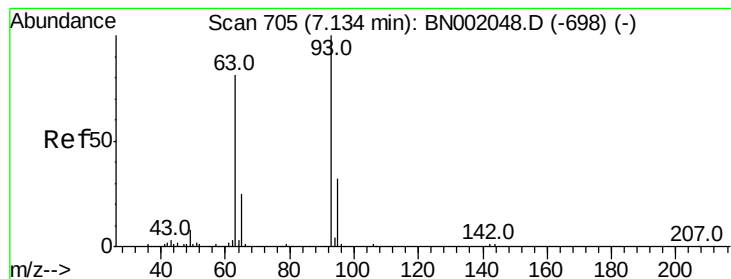
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Bis(2-Chloroethyl)ether

Concen: 17.061 ng/ul

RT: 7.13 min Scan# 705

Delta R.T. 0.00 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

Instrument :

BNA_N

ClientSampleId :

DB1D5

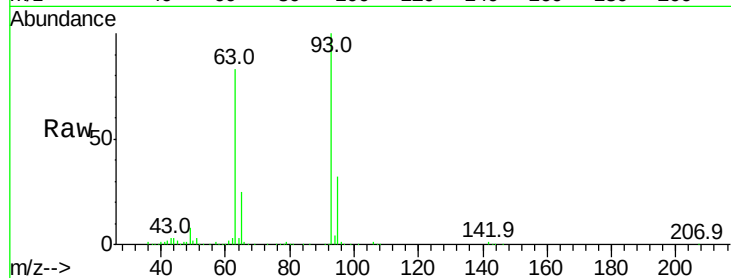
Tot Ion: 93 Resp: 541448

Ion Ratio Lower Upper

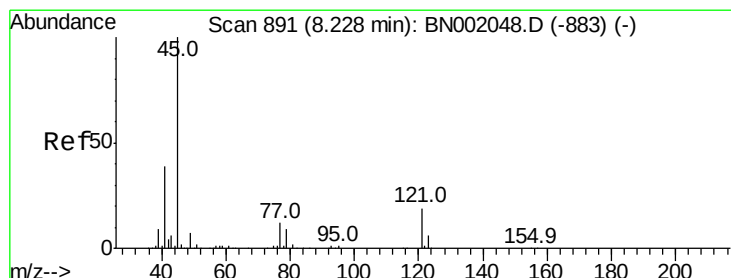
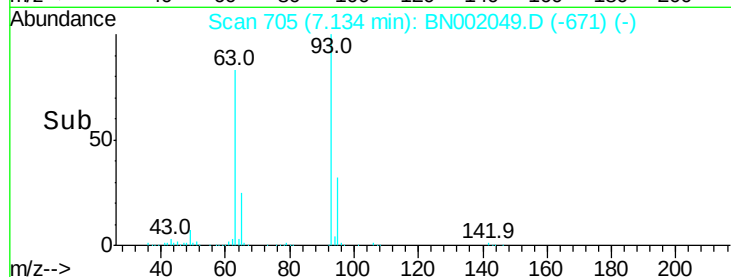
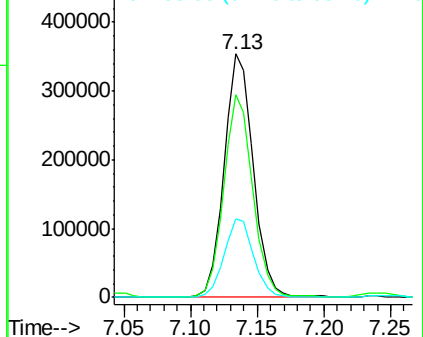
93 100

63 83.4 53.5 80.3#

95 32.3 26.2 39.2



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



#12

2,2'-oxybis(1-Chloropropane)

Concen: 14.213 ng/ul

RT: 8.23 min Scan# 892

Delta R.T. 0.01 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

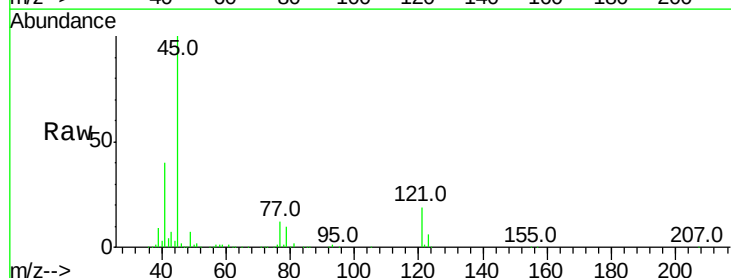
Tgt Ion: 45 Resp: 741496

Ion Ratio Lower Upper

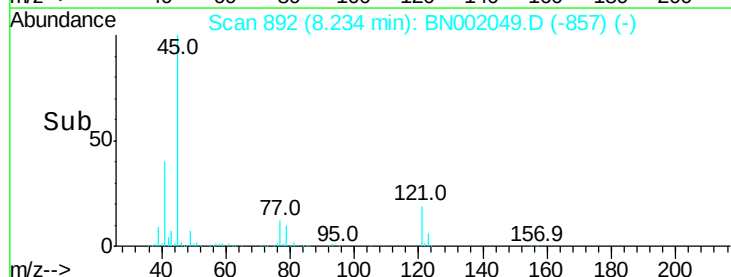
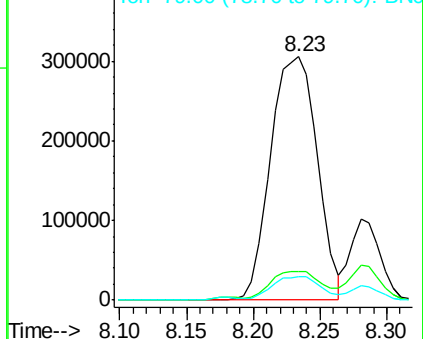
45 100

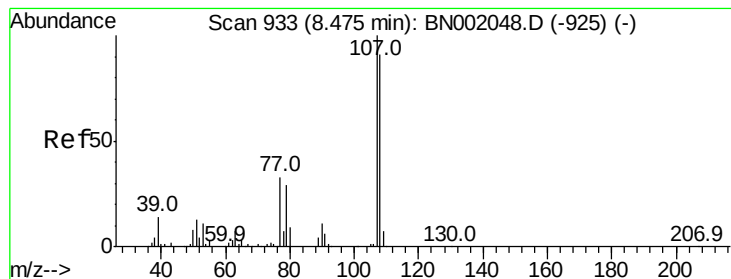
77 11.9 15.9 23.9#

79 9.7 12.5 18.7#



Abundance Ion 45.00 (44.70 to 45.70): BN0
Ion 77.00 (76.70 to 77.70): BN0
Ion 79.00 (78.70 to 79.70): BN0





#16

4-Methylphenol

Concen: 40.289 ng/ul

RT: 8.47 min Scan# 932

Delta R.T. -0.01 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

Instrument :

BNA_N

ClientSampleId :

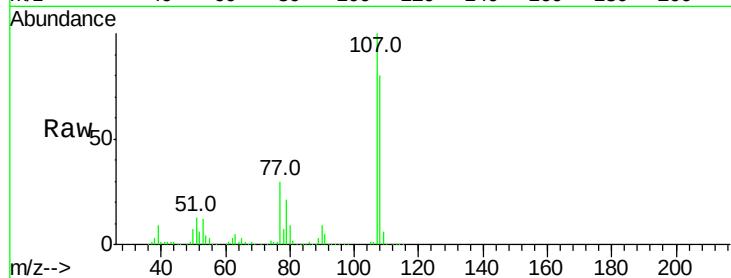
DB1D5

Tot Ion:108 Resp: 1399366

Ion Ratio Lower Upper

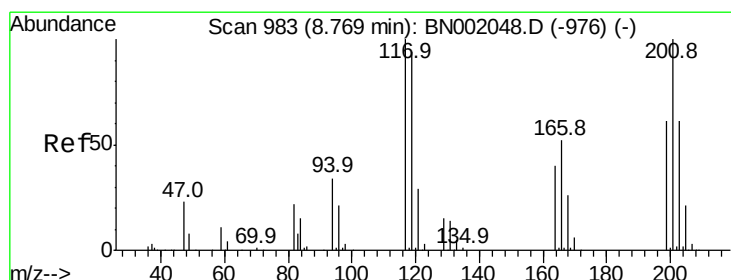
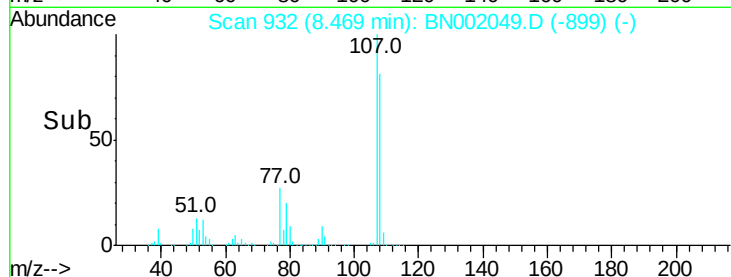
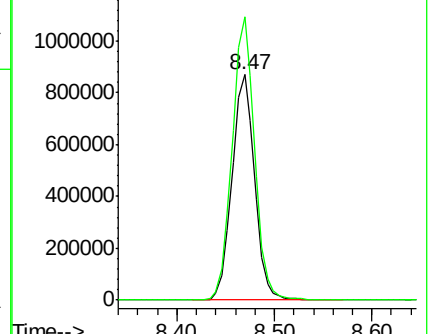
108 100

107 125.5 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 49.823 ng/ul

RT: 8.77 min Scan# 983

Delta R.T. 0.00 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

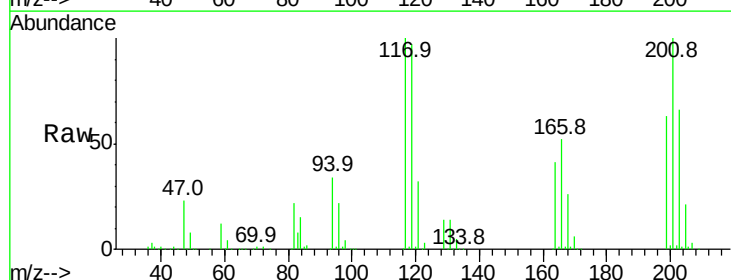
Tgt Ion:117 Resp: 643034

Ion Ratio Lower Upper

117 100

201 100.5 81.5 122.3

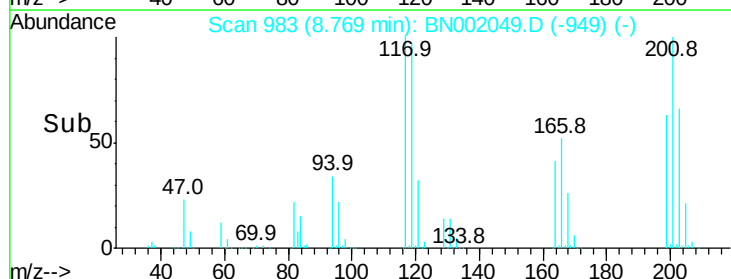
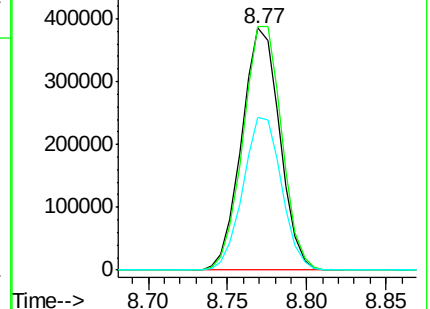
199 63.1 50.6 76.0

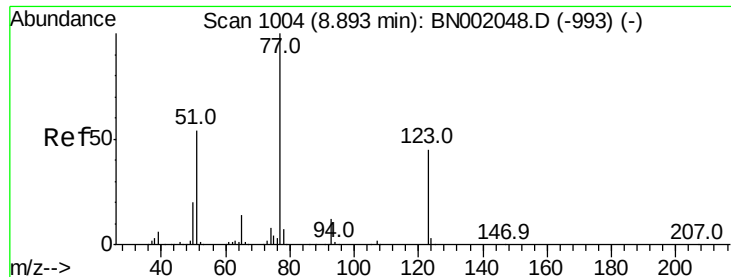


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

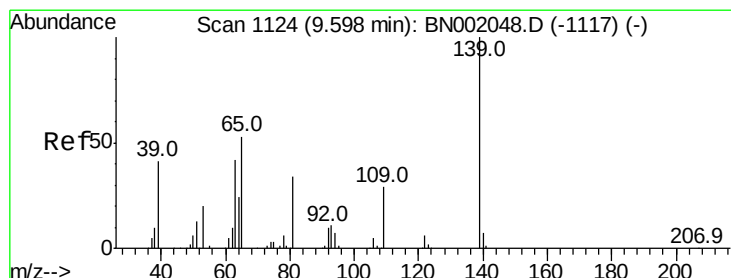
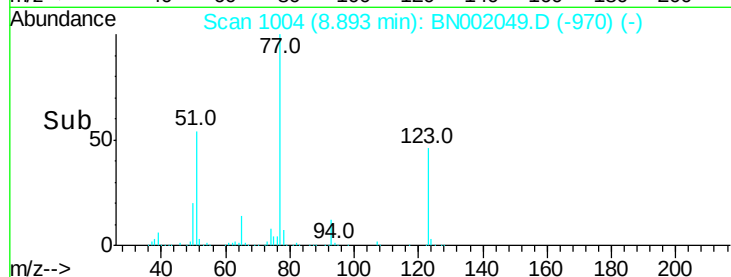
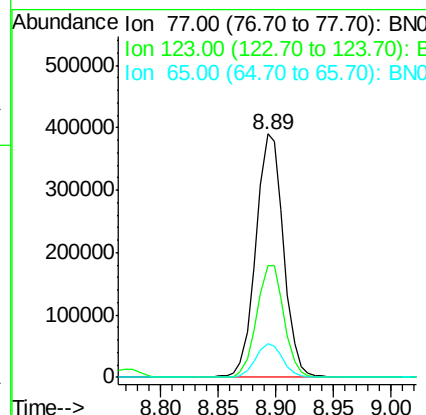
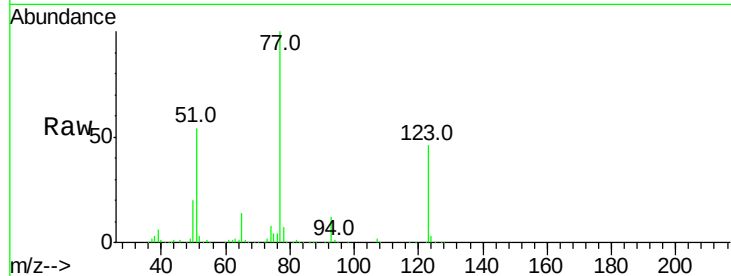




#20
Nitrobenzene
Concen: 16.853 ng/ul
RT: 8.89 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

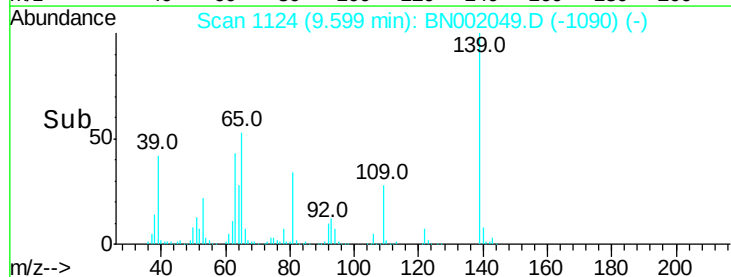
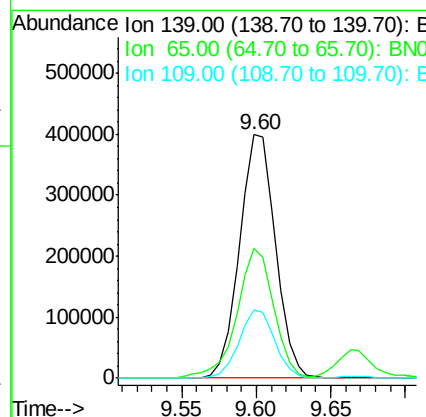
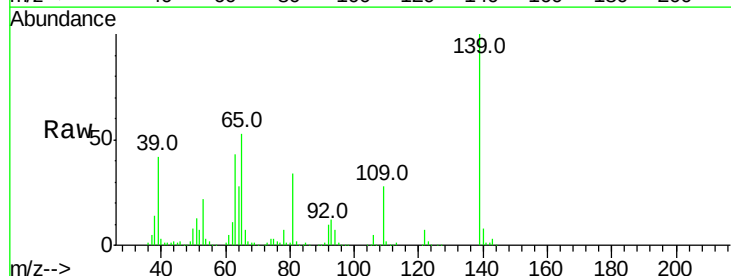
Instrument :
BNA_N
ClientSampleId :
DB1D5

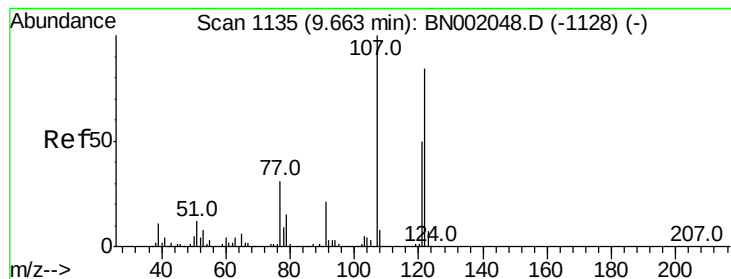
Tot Ion	Ratio	Lower	Upper
77	100		
123	45.7	39.0	58.4
65	14.1	10.4	15.6



#23
2-Nitrophenol
Concen: 34.361 ng/ul
RT: 9.60 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

Tgt Ion	Ratio	Lower	Upper
139	100		
65	53.2	36.3	54.5
109	28.0	26.4	39.6





#24

2,4-Dimethylphenol

Concen: 23.264 ng/ul

RT: 9.66 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

Instrument :

BNA_N

ClientSampleId :

DB1D5

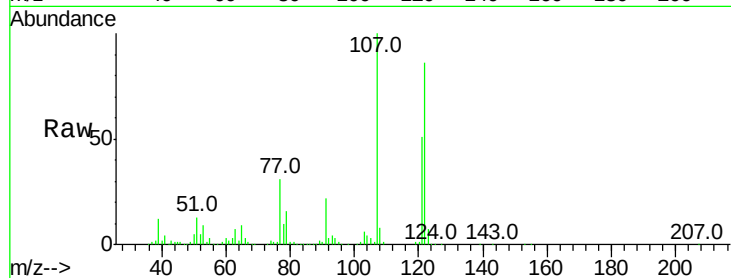
Tot Ion:107 Resp: 906746

Ion Ratio Lower Upper

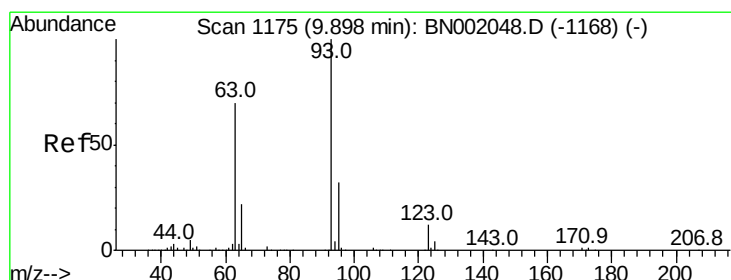
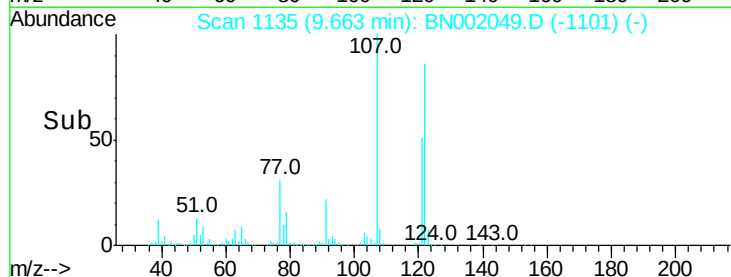
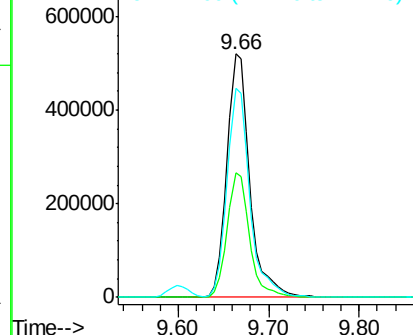
107 100

121 51.0 40.6 61.0

122 85.8 67.8 101.6



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 16.385 ng/ul

RT: 9.90 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

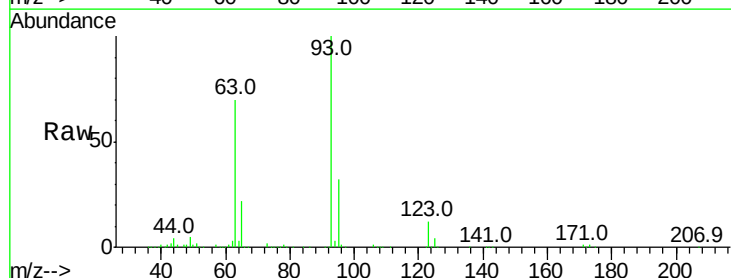
Tgt Ion: 93 Resp: 763582

Ion Ratio Lower Upper

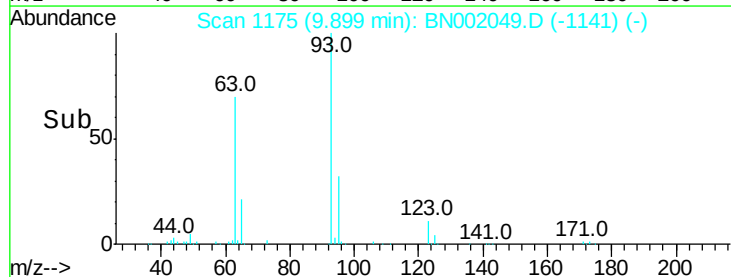
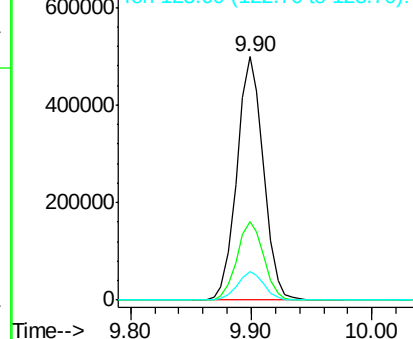
93 100

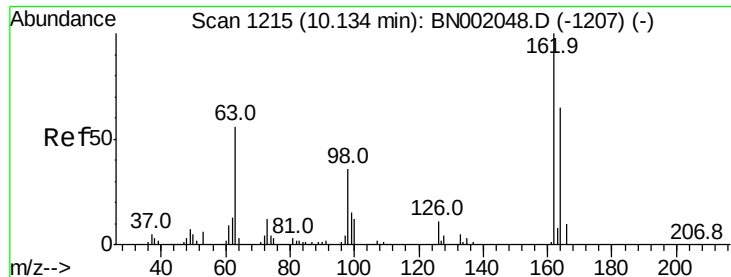
95 32.1 25.8 38.8

123 11.5 9.8 14.8



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 123.00 (122.70 to 123.70): E

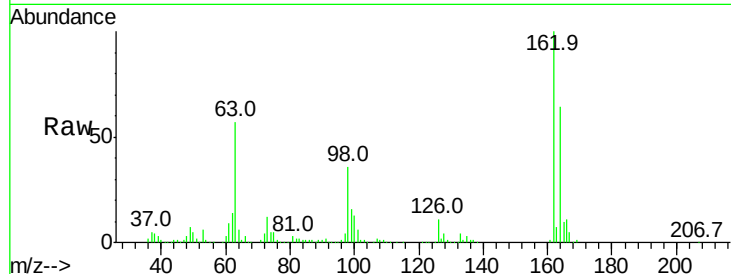




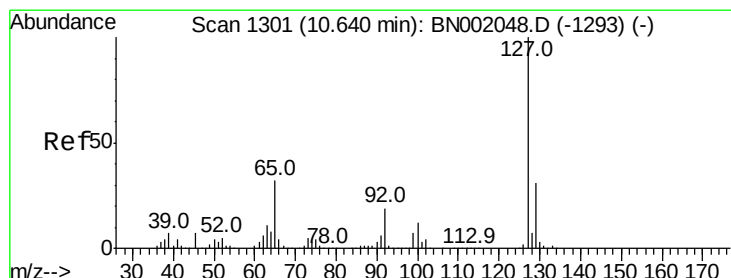
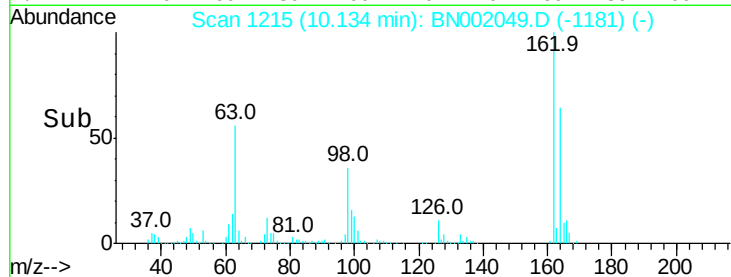
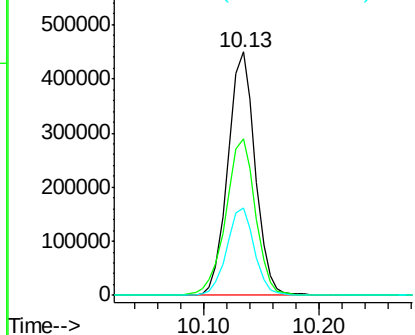
#27
2,4-Dichlorophenol
Concen: 22.329 ng/ul
RT: 10.13 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

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Tot Ion:162 Resp: 737542
Ion Ratio Lower Upper
162 100
164 64.3 52.1 78.1
98 36.1 28.4 42.6

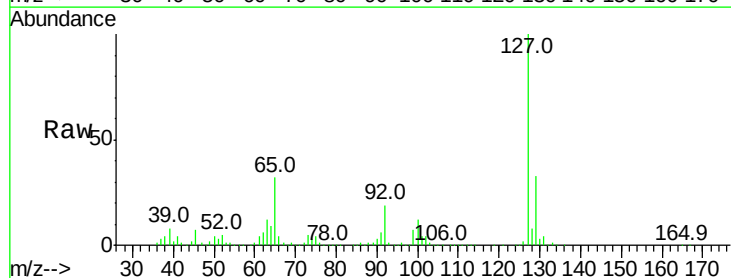


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BNC

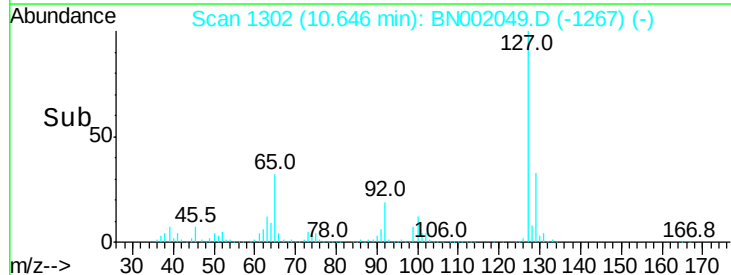
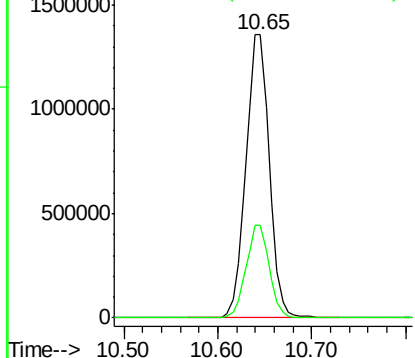


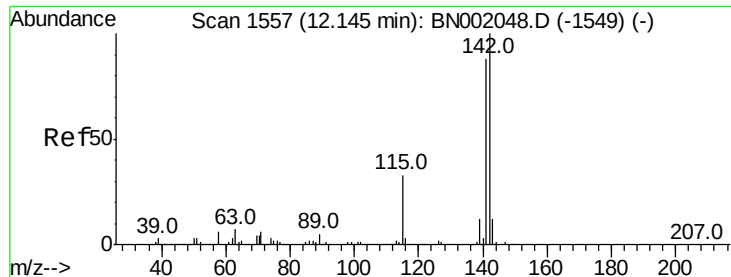
#30
4-Chloroaniline
Concen: 60.208 ng/ul
RT: 10.65 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

Tgt Ion:127 Resp: 2339364
Ion Ratio Lower Upper
127 100
129 32.8 25.4 38.2



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

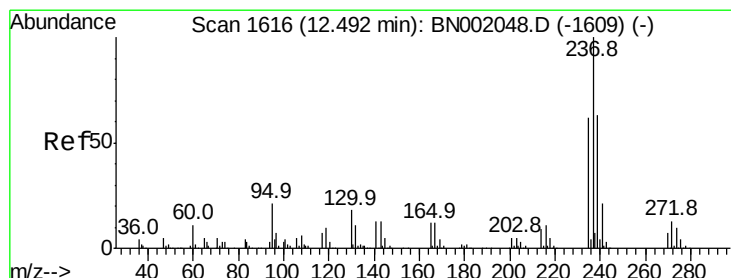
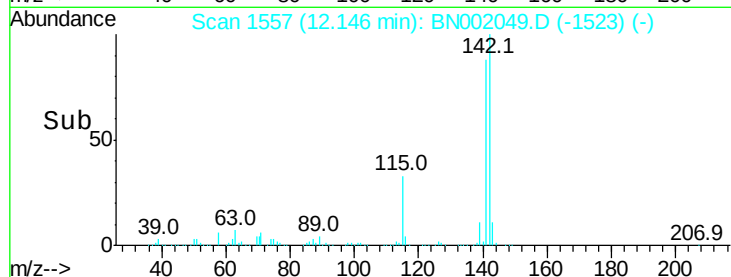
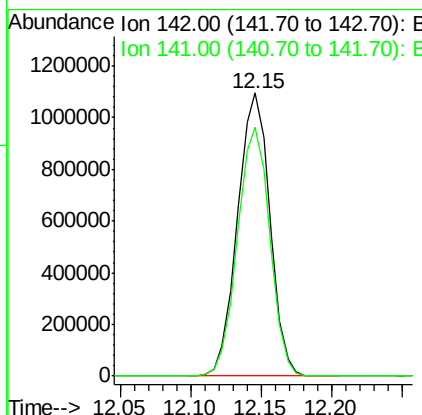
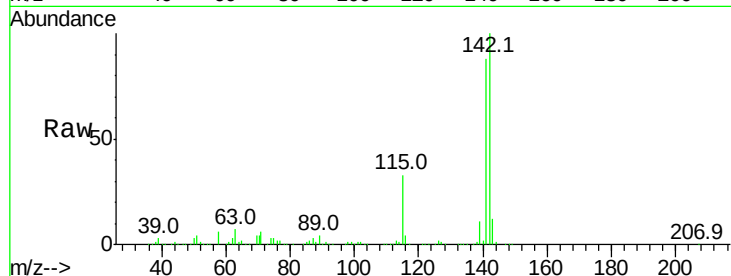




#34
2-Methylnaphthalene
Concen: 22.447 ng/ul
RT: 12.15 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

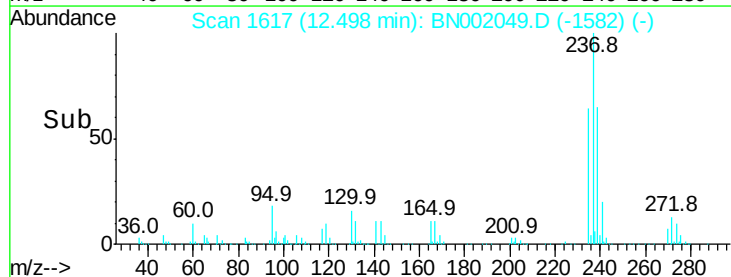
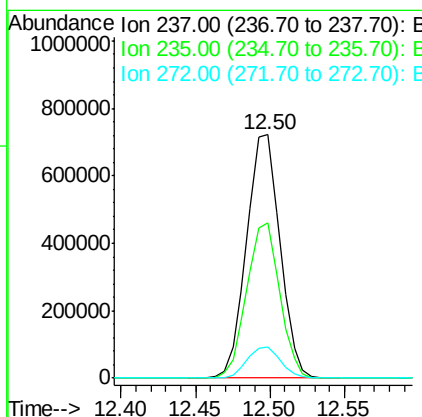
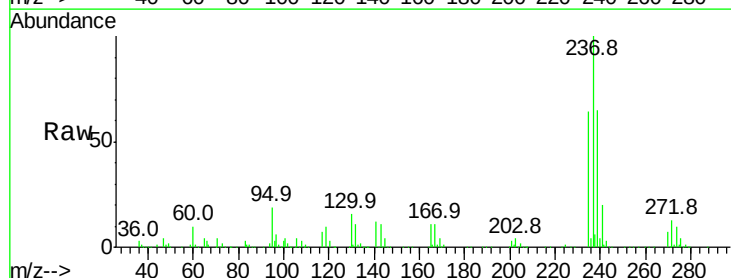
Instrument :
BNA_N
ClientSampleId :
DB1D5

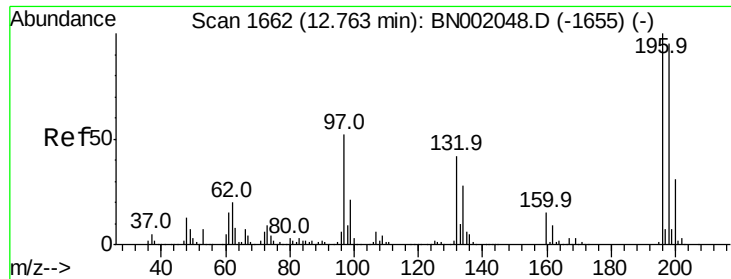
Tot Ion:142 Resp: 1755193
Ion Ratio Lower Upper
142 100
141 87.9 71.6 107.4



#37
Hexachlorocyclopentadiene
Concen: 44.989 ng/ul
RT: 12.50 min Scan# 1617
Delta R.T. 0.01 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

Tgt Ion:237 Resp: 1120574
Ion Ratio Lower Upper
237 100
235 63.9 50.4 75.6
272 12.8 9.6 14.4

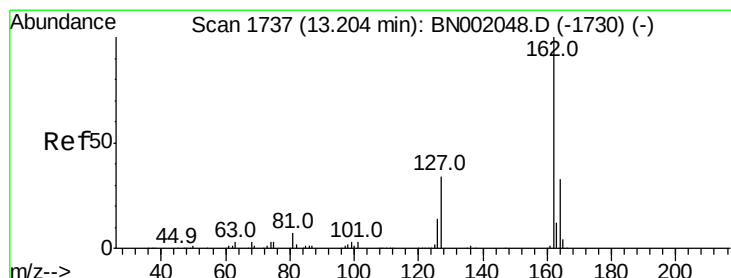
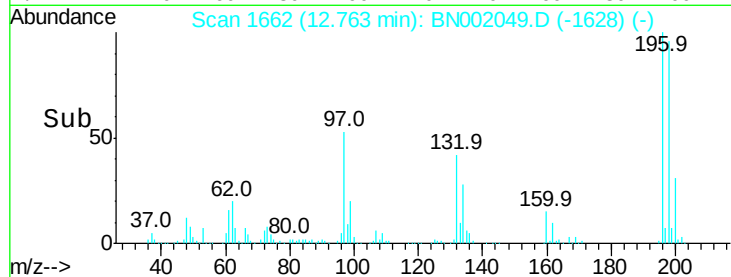
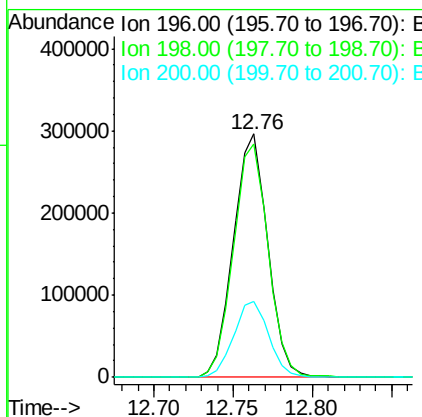
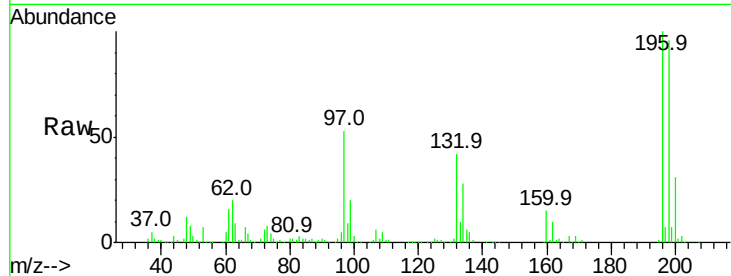




#38
 2,4,6-Trichlorophenol
 Concen: 16.507 ng/ul
 RT: 12.76 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BN002049.D
 Acq: 16 Jul 2018 15:42

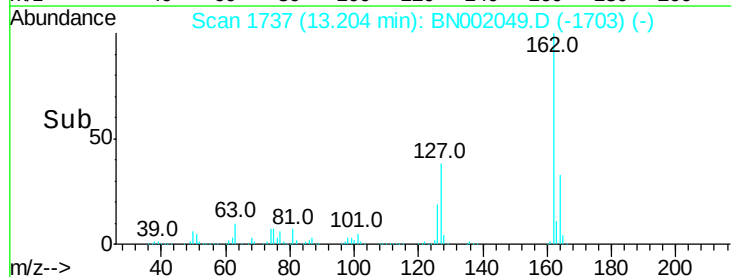
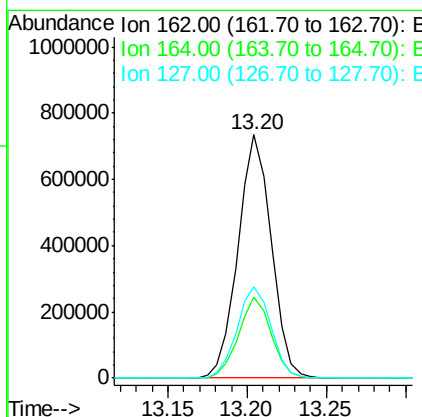
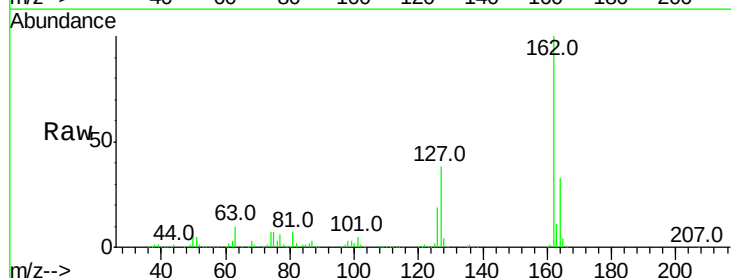
Instrument :
 BNA_N
 ClientSampleId :
 DB1D5

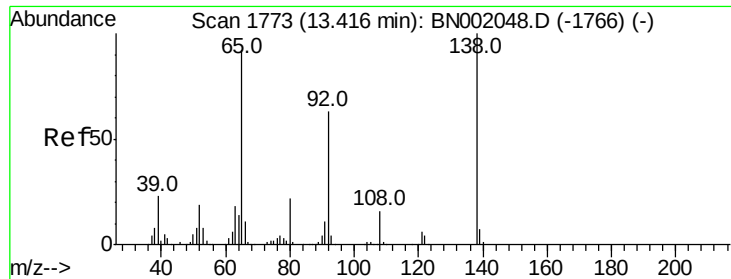
Tot Ion:196 Resp: 445551
 Ion Ratio Lower Upper
 196 100
 198 95.9 76.6 114.8
 200 31.3 24.7 37.1



#41
 2-Chloronaphthalene
 Concen: 13.622 ng/ul
 RT: 13.20 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BN002049.D
 Acq: 16 Jul 2018 15:42

Tgt Ion:162 Resp: 1067429
 Ion Ratio Lower Upper
 162 100
 164 33.1 25.9 38.9
 127 37.7 34.1 51.1





#42

2-Nitroaniline

Concen: 61.829 ng/ul

RT: 13.42 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

Instrument :

BNA_N

ClientSampleId :

DB1D5

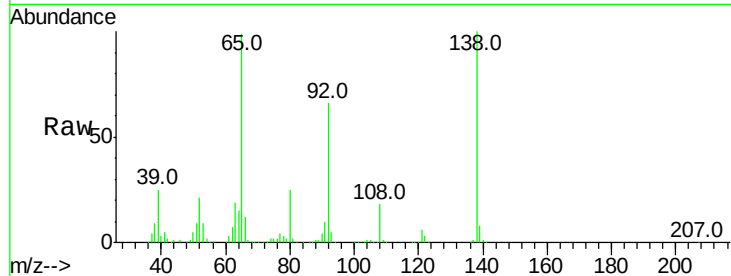
Tot Ion: 65 Resp: 1557784

Ion Ratio Lower Upper

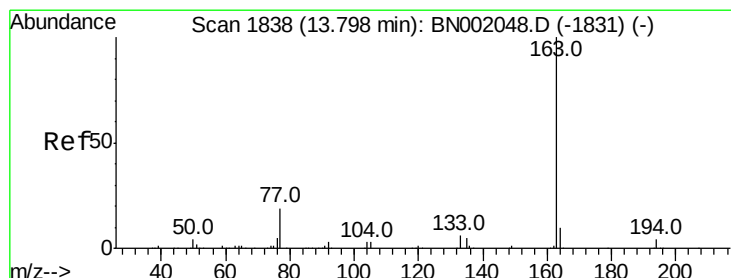
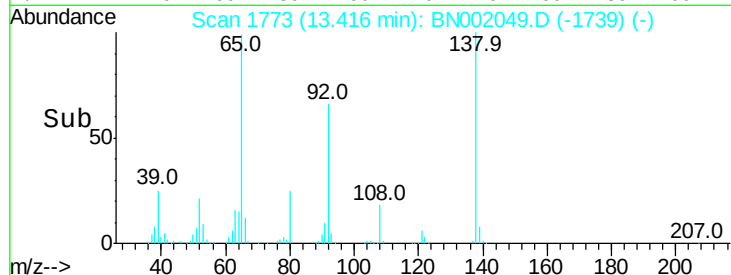
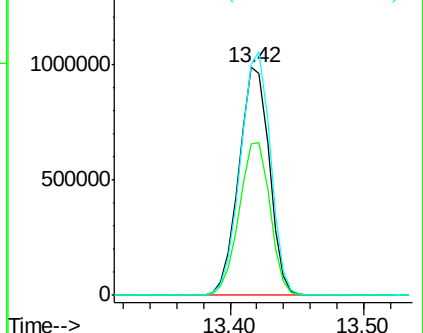
65 100

92 66.6 60.4 90.6

138 101.0 99.8 149.6



Abundance Ion 65.00 (64.70 to 65.70): BNO
Ion 92.00 (91.70 to 92.70): BNO
Ion 138.00 (137.70 to 138.70): BNO



#44

Dimethylphthalate

Concen: 29.931 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

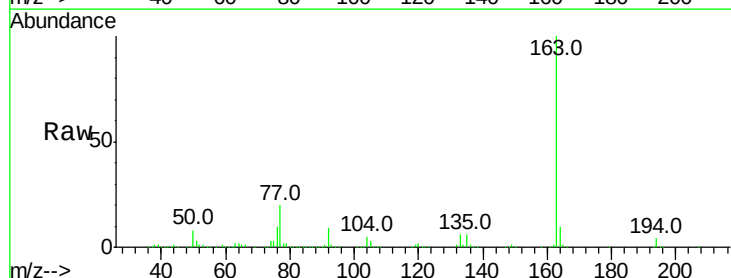
Tgt Ion:163 Resp: 3009379

Ion Ratio Lower Upper

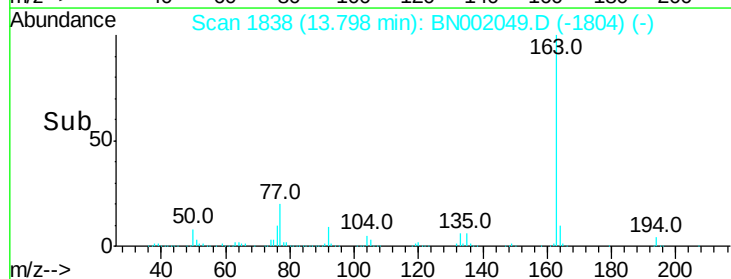
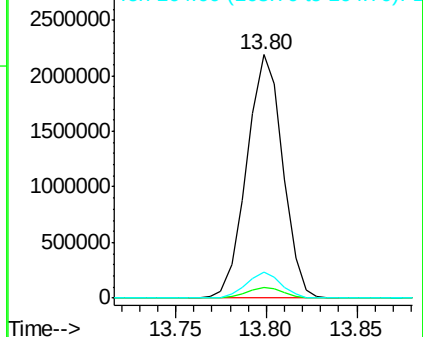
163 100

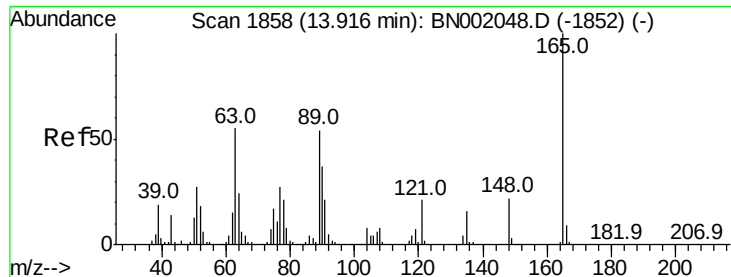
194 4.3 3.2 4.8

164 10.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

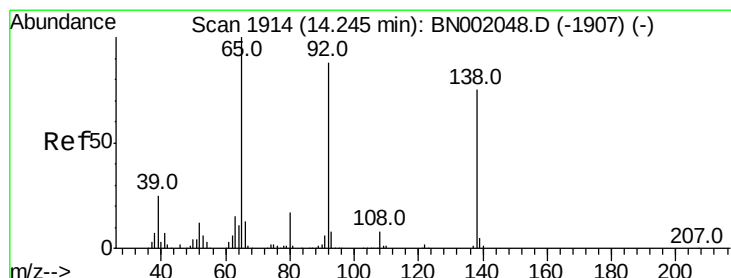
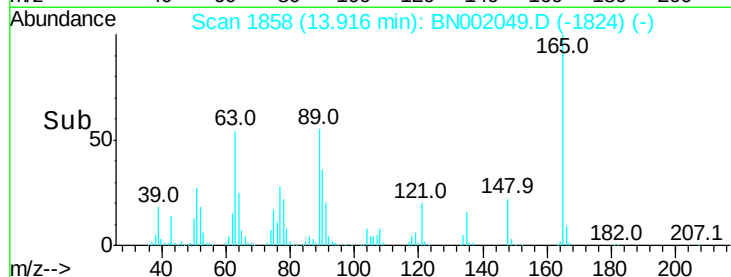
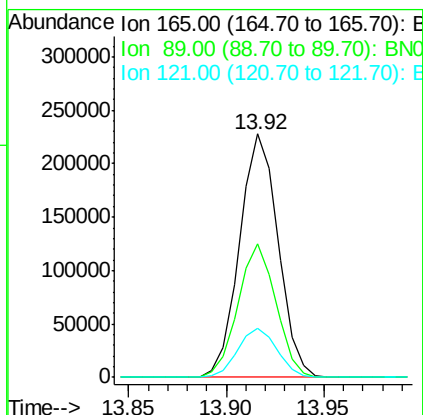
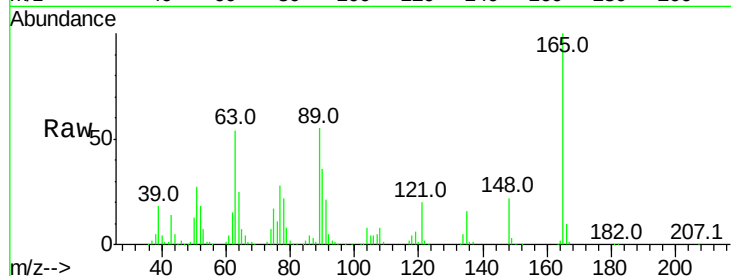




#45
 2,6-Dinitrotoluene
 Concen: 14.710 ng/ul
 RT: 13.92 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BN002049.D
 Acq: 16 Jul 2018 15:42

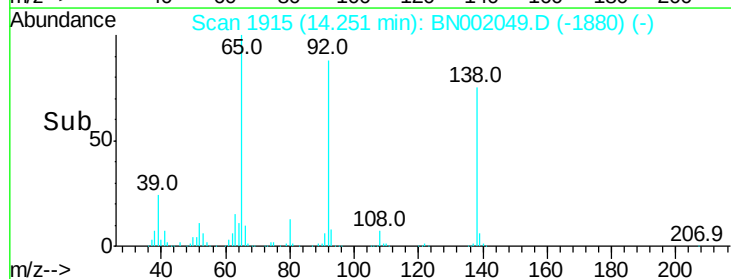
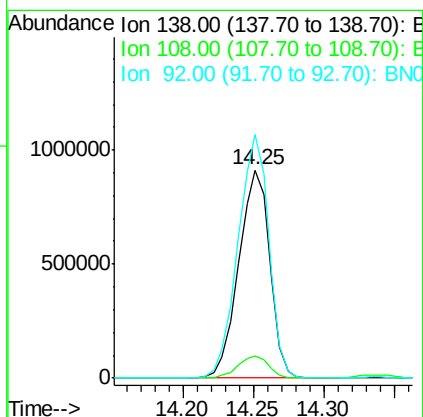
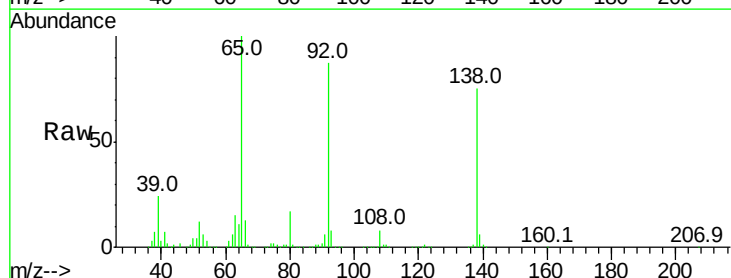
Instrument :
 BNA_N
 ClientSampleID :
 DB1D5

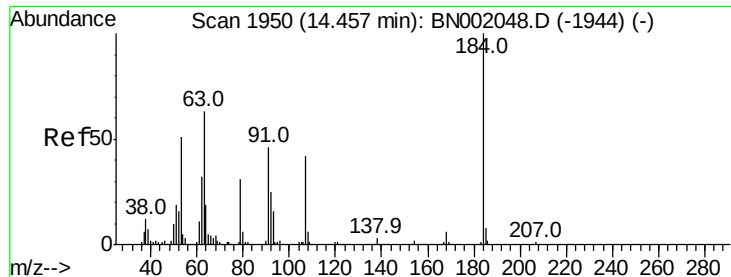
Tot Ion	Ratio	Lower	Upper
165	100		
89	54.8	42.4	63.6
121	20.3	16.6	24.8



#48
 3-Nitroaniline
 Concen: 66.927 ng/ul
 RT: 14.25 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: BN002049.D
 Acq: 16 Jul 2018 15:42

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.7	13.1
92	117.2	88.2	132.4

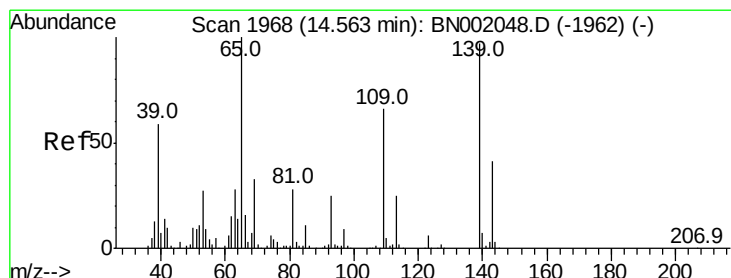
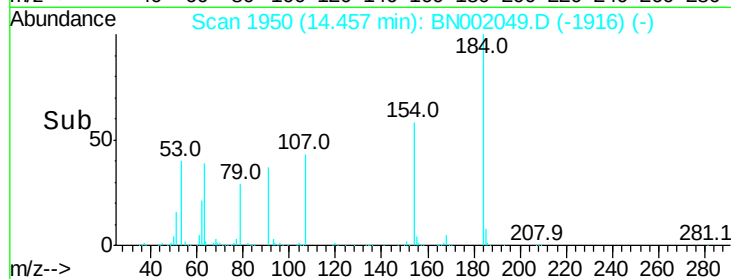
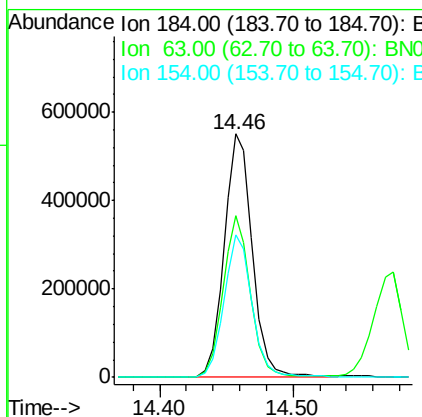
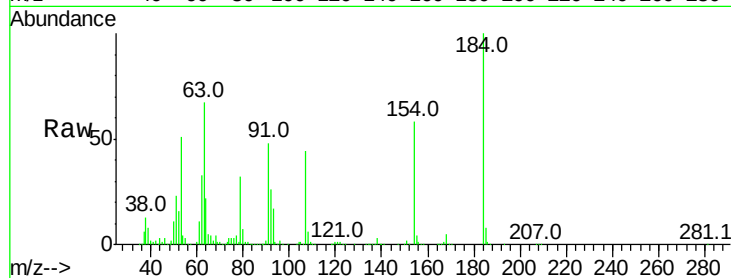




#50
2,4-Dinitrophenol
Concen: 65.187 ng/ul
RT: 14.46 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

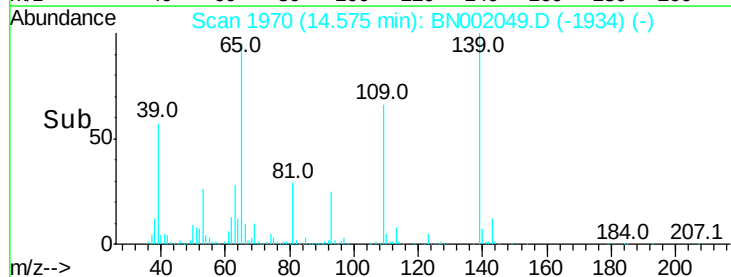
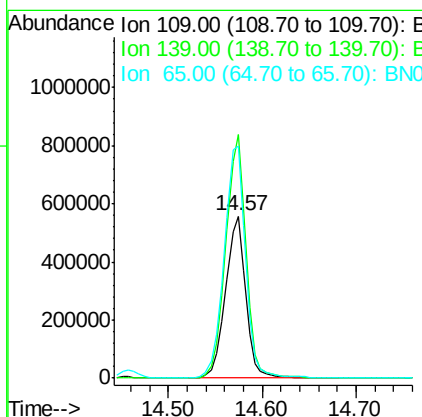
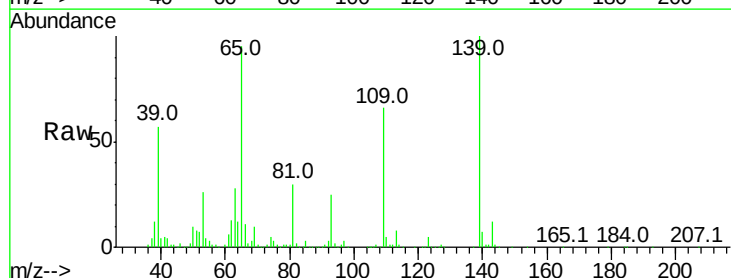
Instrument :
BNA_N
ClientSampleId :
DB1D5

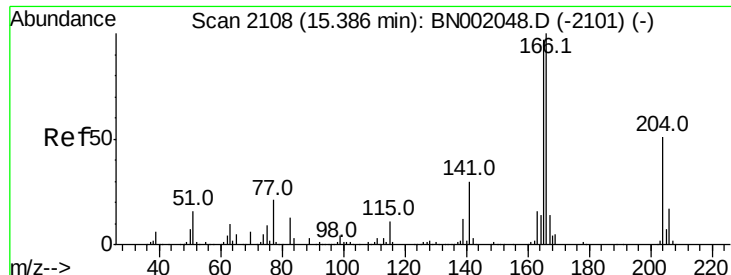
Tot Ion:184 Resp: 814841
Ion Ratio Lower Upper
184 100
63 66.5 76.0 114.0#
154 58.4 300.0 450.0#



#52
4-Nitrophenol
Concen: 61.043 ng/ul
RT: 14.57 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BN002049.D
Acq: 16 Jul 2018 15:42

Tgt Ion:109 Resp: 836650
Ion Ratio Lower Upper
109 100
139 150.4 103.7 155.5
65 143.1 89.4 134.2#

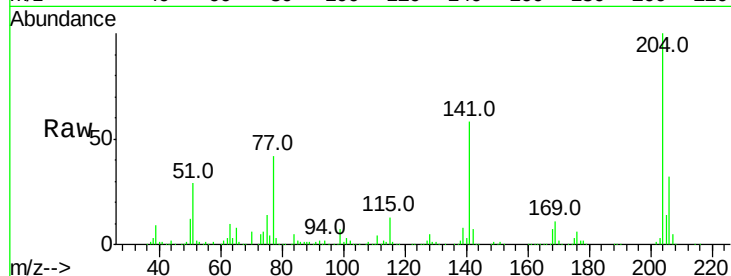




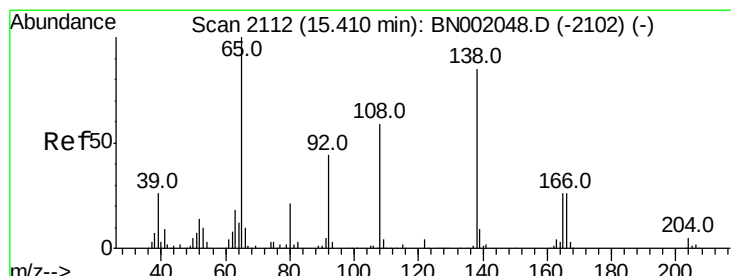
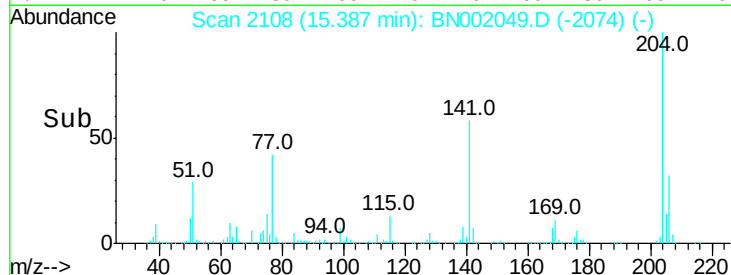
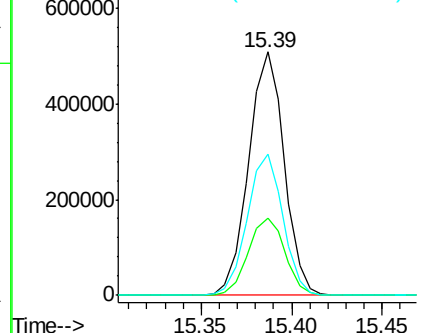
#59
 4-Chlorophenyl-phenylether
 Concen: 14.633 ng/ul
 RT: 15.39 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: BN002049.D
 Acq: 16 Jul 2018 15:42

Instrument :
 BNA_N
 ClientSampleID :
 DB1D5

Tot Ion:204 Resp: 693662
 Ion Ratio Lower Upper
 204 100
 206 31.9 26.2 39.4
 141 58.2 54.6 81.8

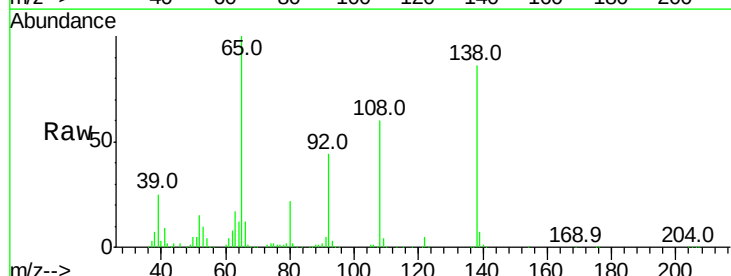


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

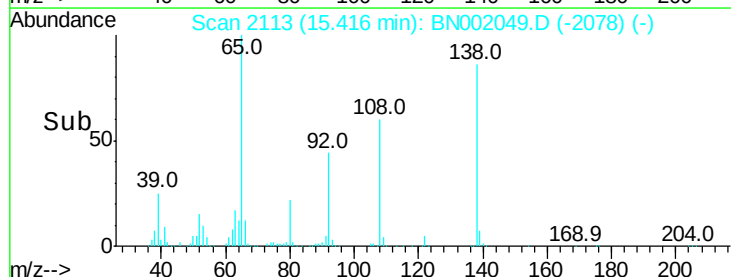
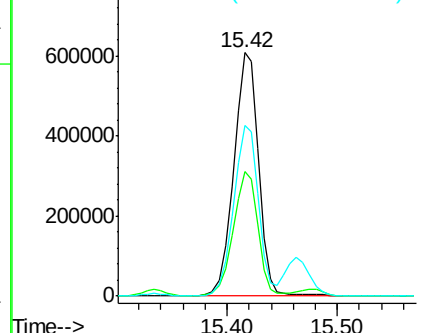


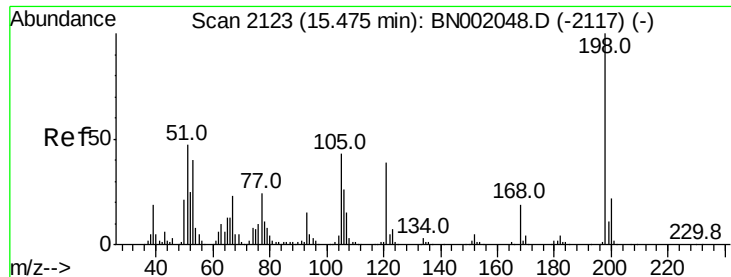
#60
 4-Nitroaniline
 Concen: 39.525 ng/ul
 RT: 15.42 min Scan# 2113
 Delta R.T. 0.01 min
 Lab File: BN002049.D
 Acq: 16 Jul 2018 15:42

Tgt Ion:138 Resp: 958524
 Ion Ratio Lower Upper
 138 100
 92 51.2 40.6 60.8
 108 70.3 67.0 100.6



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





#63

4,6-Dinitro-2-methylphenol

Concen: 57.650 ng/ul

RT: 15.48 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

Instrument :

BNA_N

ClientSampleId :

DB1D5

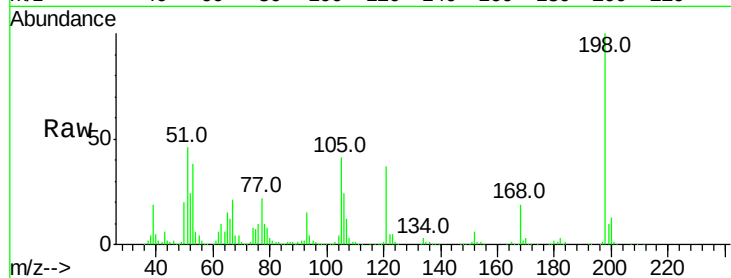
Tot Ion:198 Resp: 1084632

Ion Ratio Lower Upper

198 100

182 3.1 3.1 4.7

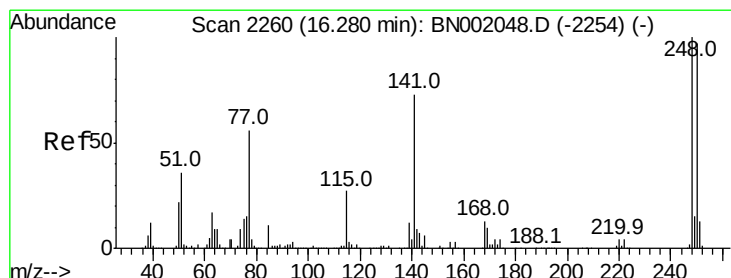
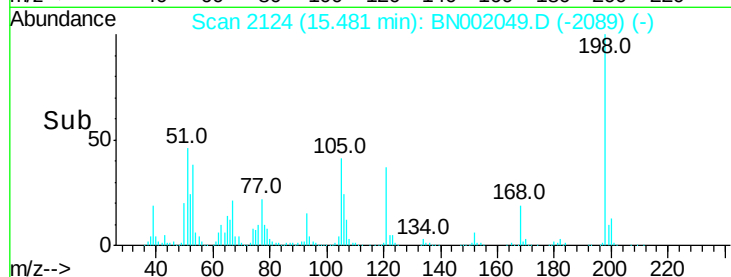
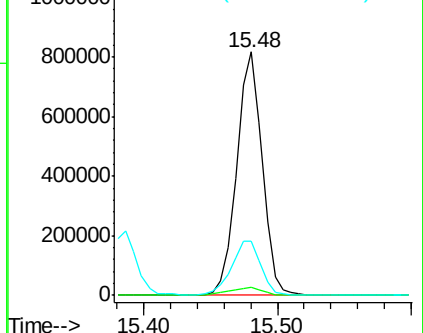
77 22.1 20.1 30.1



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: 54.747 ng/ul

RT: 16.28 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BN002049.D

Acq: 16 Jul 2018 15:42

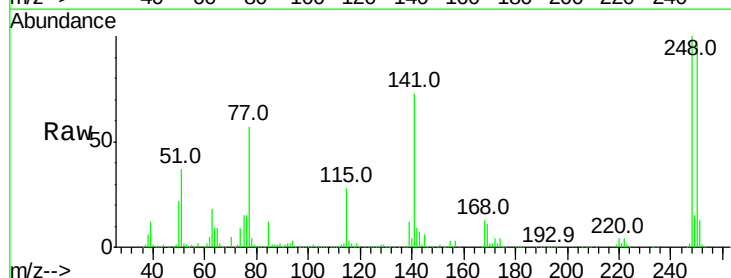
Tgt Ion:248 Resp: 1680688

Ion Ratio Lower Upper

248 100

250 96.3 78.7 118.1

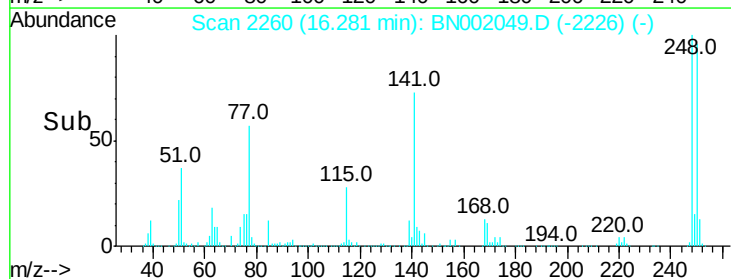
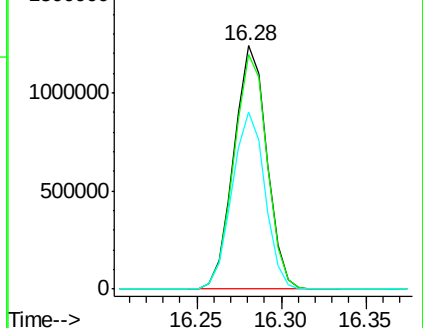
141 72.9 72.2 108.2

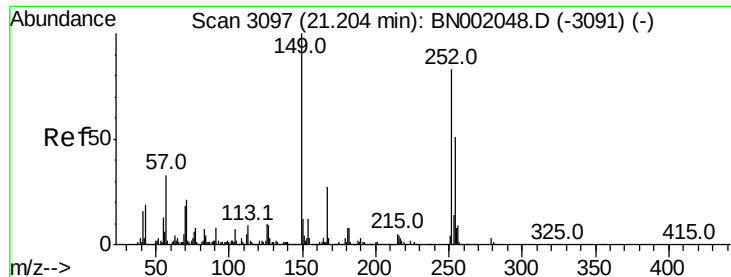


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

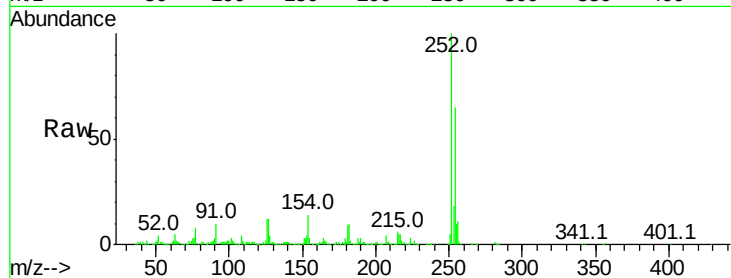




#81
 3,3'-Dichlorobenzidine
 Concen: 24.828 ng/ul
 RT: 21.20 min Scan# 3097
 Delta R.T. 0.00 min
 Lab File: BN002049.D
 Acq: 16 Jul 2018 15:42

Instrument :
 BNA_N
 ClientSampleId :
 DB1D5

Tot Ion:252 Resp: 1614926
 Ion Ratio Lower Upper
 252 100
 254 65.5 52.2 78.2
 126 12.5 9.4 14.2



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

