

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070518\
 Data File : BN001960.D
 Acq On : 05 Jul 2018 10:36
 Operator : JU/SJ
 Sample : J3776-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAZN9

Quant Time: Jul 05 12:15:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	674743	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	3152748	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1837413	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3862182	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	3028129	20.00	ng/ul	0.00
83) Perylene-d12	23.51	264	2677461	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	80599	5.19	ng/uL	0.00
5) Phenol-d5	6.88	99	1809923	29.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	1186744	31.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1428773	29.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	1538751	31.46	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	768202	32.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	877681	36.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	1560805	30.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	2261836	42.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	4918895	31.70	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	5902802	30.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	909167	31.81	ng/ul	0.00
57) Fluorene-d10	15.33	176	4117155	30.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	818416	38.90	ng/ul	0.00
70) Anthracene-d10	17.18	188	5963744	31.96	ng/ul	0.00
76) Pyrene-d10	19.48	212	5834853	38.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	4799350	32.96	ng/ul	0.00

Target Compounds

					Qvalue
8) Bis(2-Chloroethyl)ether	7.14	93	818281	17.142	ng/ul 94
12) 2,2'-oxybis(1-Chloropropan	8.23	45	1085658	14.498	ng/ul# 93
16) 4-Methylphenol	8.47	108	2110568	41.121	ng/ul 94
17) Hexachloroethane	8.78	117	953418	49.344	ng/ul 85
20) Nitrobenzene	8.90	77	967866	16.841	ng/ul 92
23) 2-Nitrophenol	9.60	139	1003118	37.992	ng/ul# 90
24) 2,4-Dimethylphenol	9.67	107	1379362	23.212	ng/ul 95
25) Bis(2-Chloroethoxy)methane	9.90	93	1146891	16.131	ng/ul 97
27) 2,4-Dichlorophenol	10.13	162	1137331	22.631	ng/ul 97
30) 4-Chloroaniline	10.65	127	3370099	63.673	ng/ul 97
34) 2-Methylnaphthalene	12.15	142	2662247	21.938	ng/ul 100
37) Hexachlorocyclopentadiene	12.50	237	1604392	44.094	ng/ul 98
38) 2,4,6-Trichlorophenol	12.76	196	688161	17.680	ng/ul 100
41) 2-Chloronaphthalene	13.20	162	1609196	13.507	ng/ul 98
42) 2-Nitroaniline	13.42	65	2146885	64.592	ng/ul 97
44) Dimethylphthalate	13.80	163	4172204	27.358	ng/ul 99
45) 2,6-Dinitrotoluene	13.92	165	443987	15.419	ng/ul 96
48) 3-Nitroaniline	14.25	138	1858874	67.242	ng/ul 98
50) 2,4-Dinitrophenol	14.45	184	1057299	71.563	ng/ul# 87
52) 4-Nitrophenol	14.56	109	1101055	51.802	ng/ul# 74
59) 4-Chlorophenyl-phenylether	15.39	204	1012791	13.771	ng/ul 92
60) 4-Nitroaniline	15.42	138	1191541	34.912	ng/ul 88
63) 4,6-Dinitro-2-methylphenol	15.47	198	1353863	60.634	ng/ul# 98

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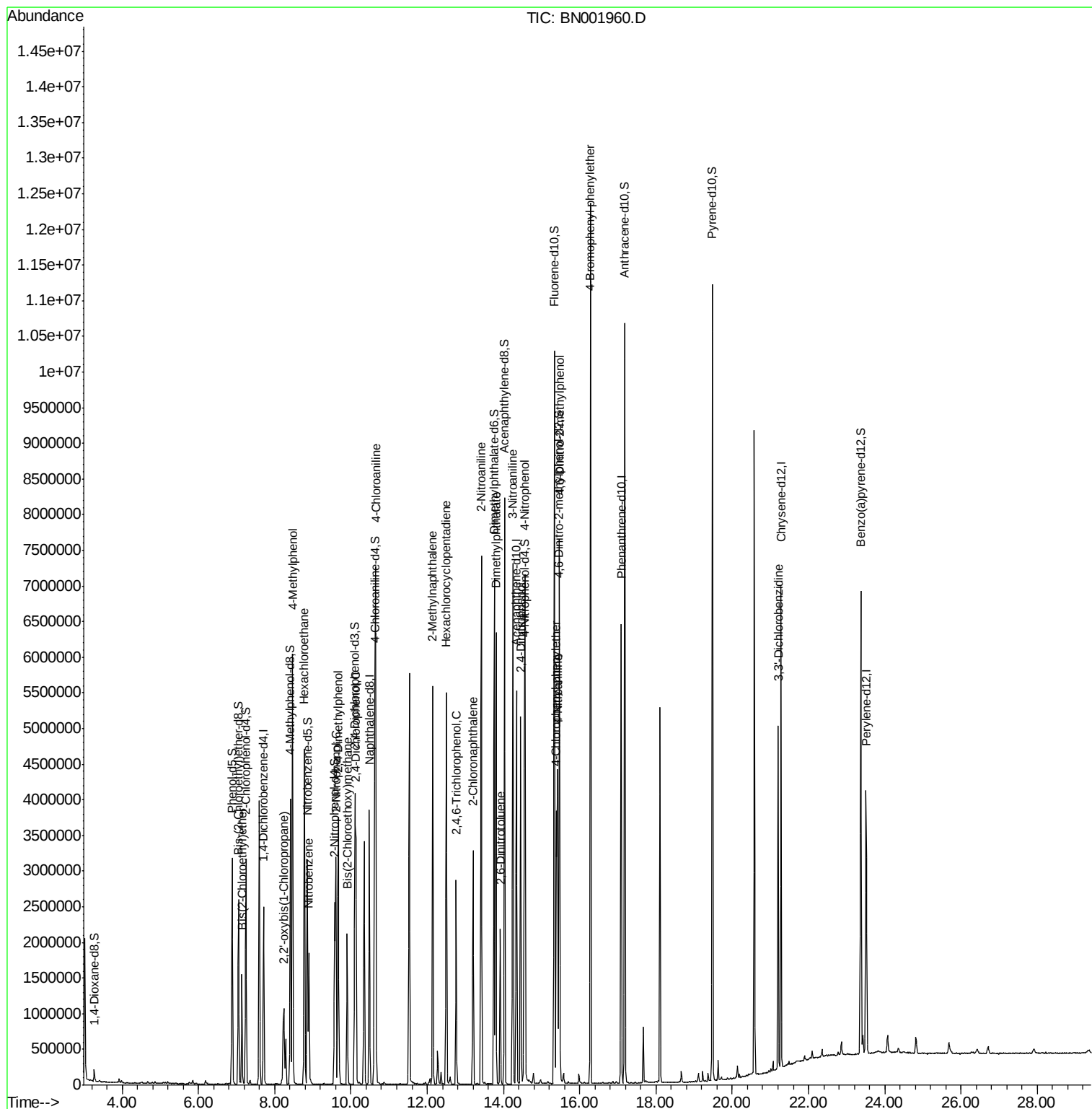
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.28	248	2359229	56.235	ng/ul	93
79) 3,3'-Dichlorobenzidine	21.20	252	1402100	24.400	ng/ul#	97

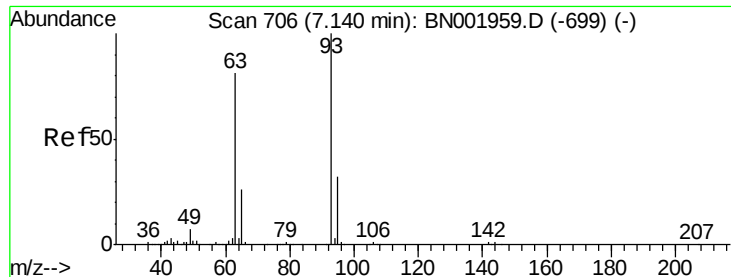
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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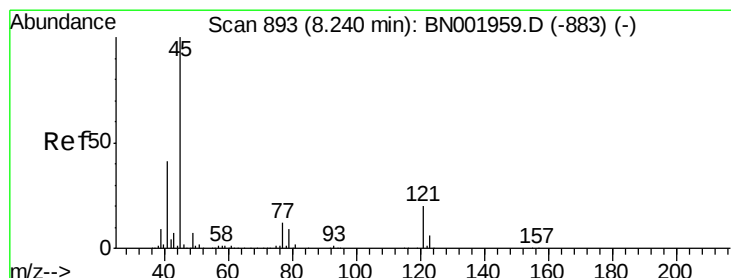
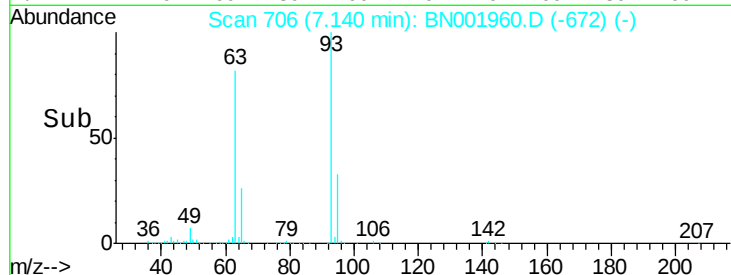
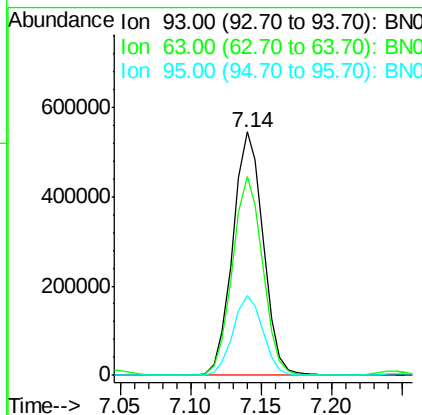
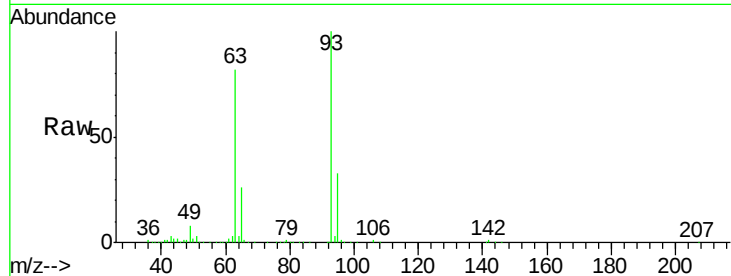


#8

Bis(2-Chloroethyl)ether
 Concen: 17.142 ng/ul
 RT: 7.14 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Instrument :
 BNA_N
 ClientSampleId :
 DAZN9

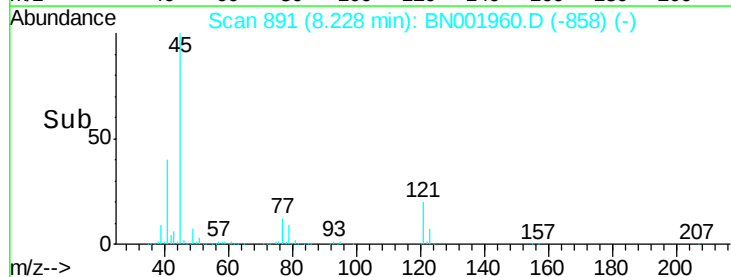
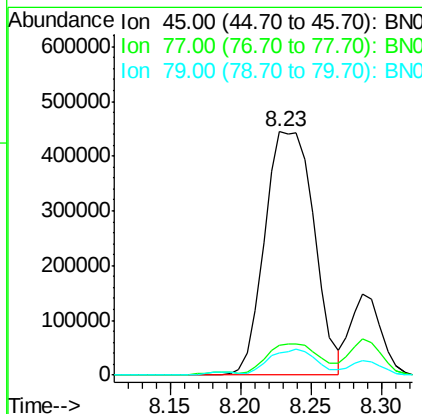
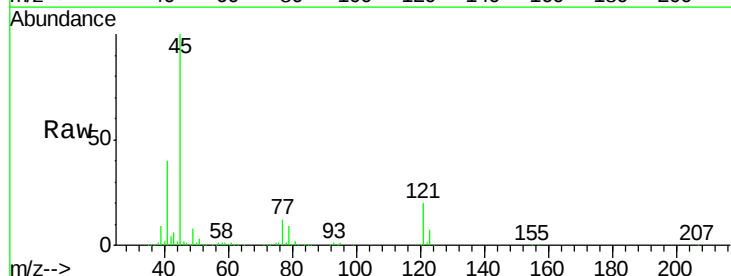
Tgt Ion: 93 Resp: 818281
 Ion Ratio Lower Upper
 93 100
 63 81.7 59.4 89.2
 95 32.9 26.4 39.6

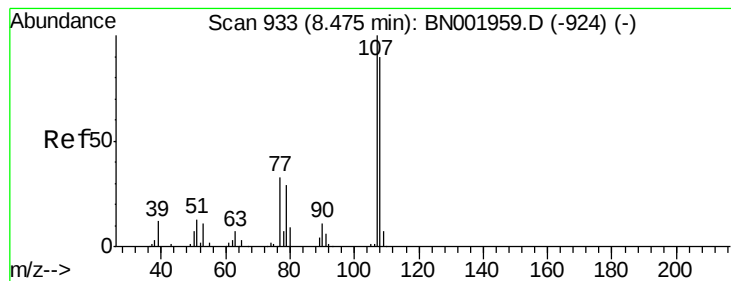


#12

2,2'-oxybis(1-Chloropropane)
 Concen: 14.498 ng/ul
 RT: 8.23 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Tgt Ion: 45 Resp: 1085658
 Ion Ratio Lower Upper
 45 100
 77 12.4 12.5 18.7#
 79 9.2 9.4 14.2#





#16

4-Methylphenol

Concen: 41.121 ng/ul

RT: 8.47 min Scan# 932

Delta R.T. -0.01 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

Instrument :

BNA_N

ClientSampleId :

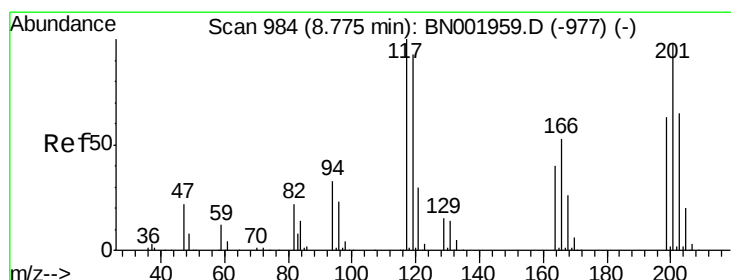
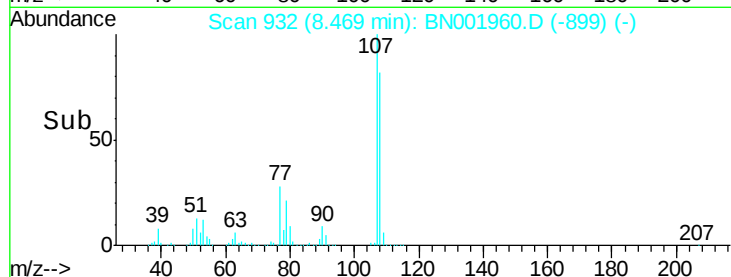
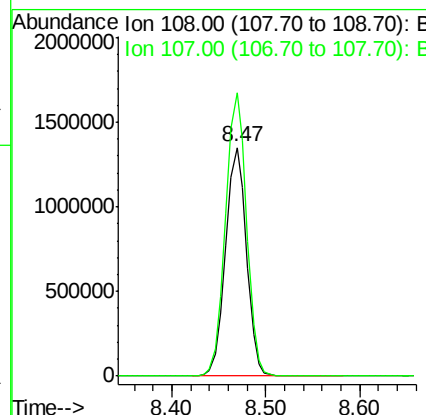
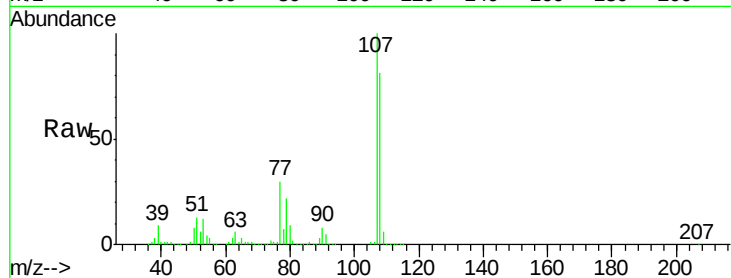
DAZN9

Tgt Ion:108 Resp: 2110568

Ion Ratio Lower Upper

108 100

107 123.6 93.6 140.4



#17

Hexachloroethane

Concen: 49.344 ng/ul

RT: 8.78 min Scan# 984

Delta R.T. -0.01 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

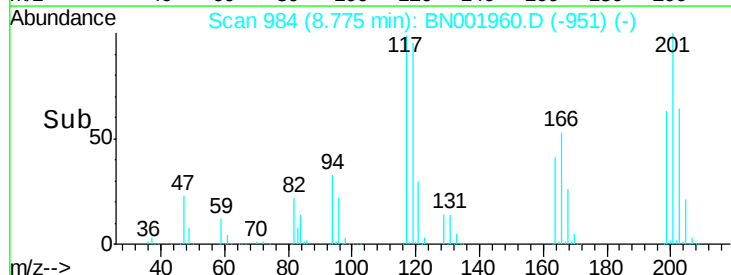
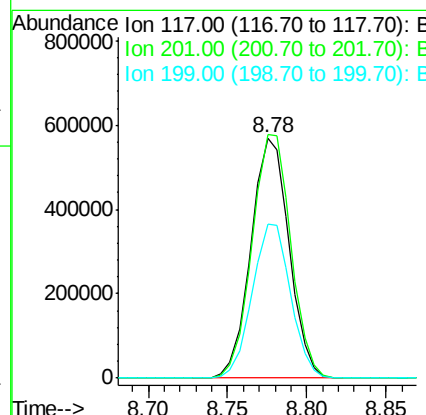
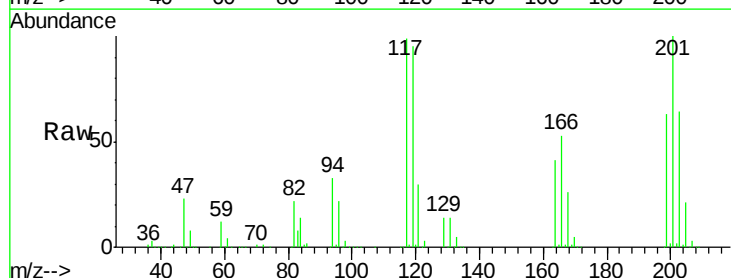
Tgt Ion:117 Resp: 953418

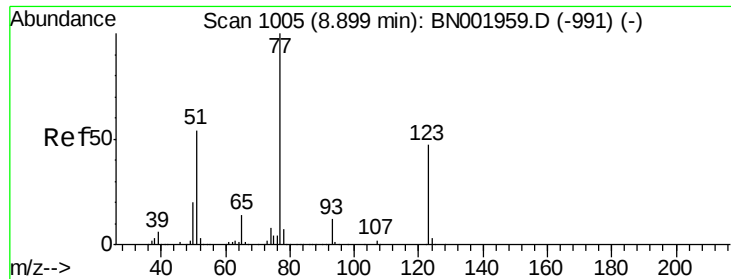
Ion Ratio Lower Upper

117 100

201 101.4 96.1 144.1

199 64.0 59.7 89.5

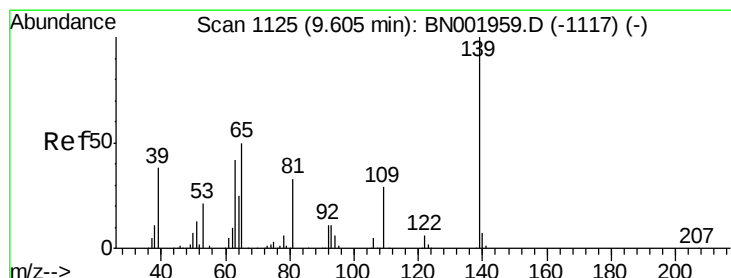
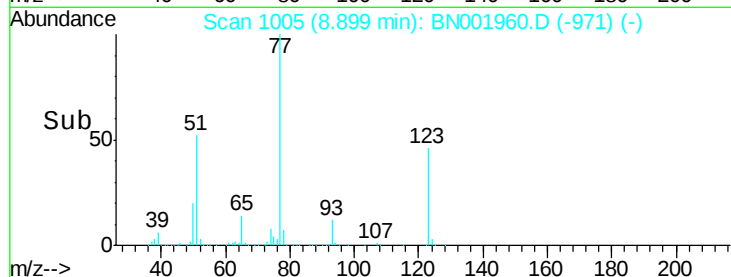
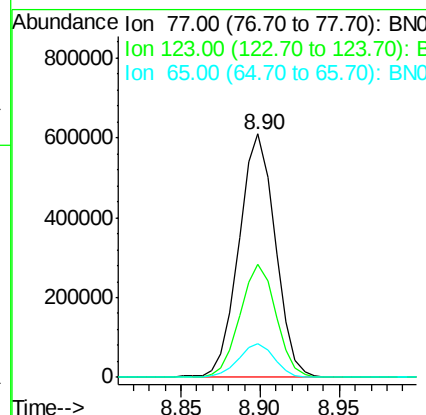
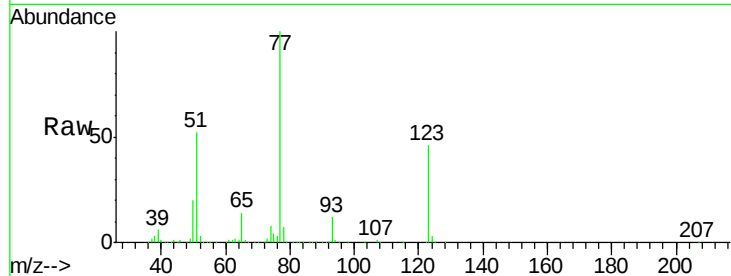




#20
Nitrobenzene
Concen: 16.841 ng/ul
RT: 8.90 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BN001960.D
Acq: 05 Jul 2018 10:36

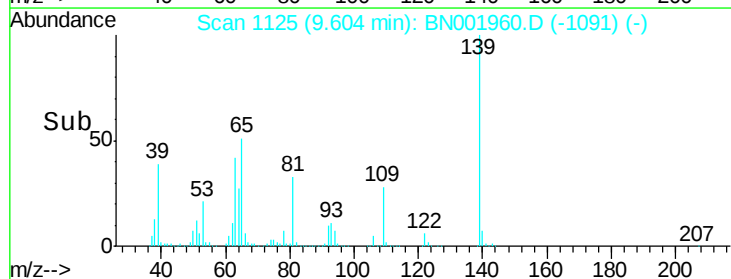
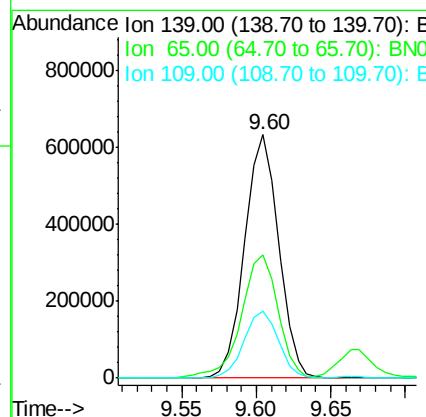
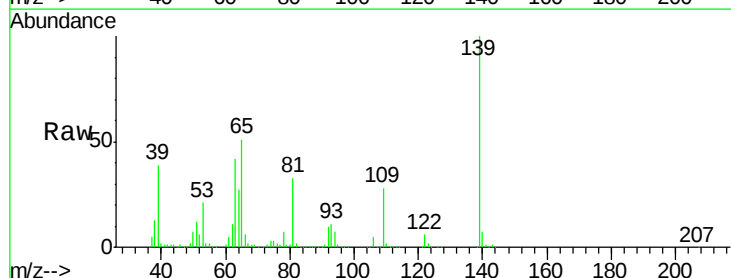
Instrument :
BNA_N
ClientSampleId :
DAZN9

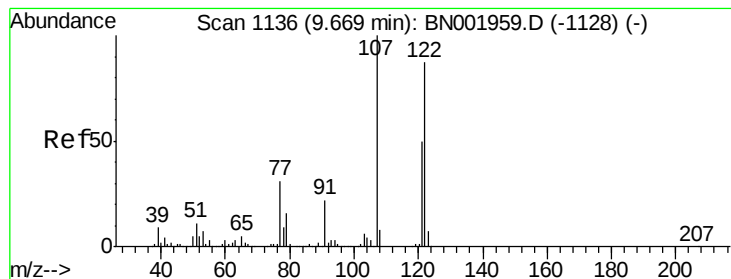
Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.2	31.8	47.8
65	13.8	10.6	16.0



#23
2-Nitrophenol
Concen: 37.992 ng/ul
RT: 9.60 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BN001960.D
Acq: 05 Jul 2018 10:36

Tgt Ion	Ratio	Lower	Upper
139	100		
65	50.6	45.3	67.9
109	27.5	27.7	41.5#





#24

2,4-Dimethylphenol

Concen: 23.212 ng/ul

RT: 9.67 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

Instrument :

BNA_N

ClientSampleId :

DAZN9

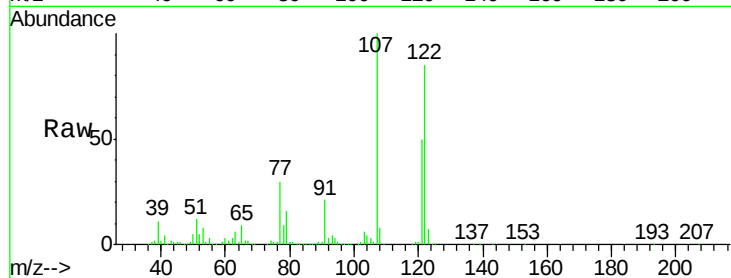
Tgt Ion: 107 Resp: 1379362

Ion Ratio Lower Upper

107 100

121 50.1 38.1 57.1

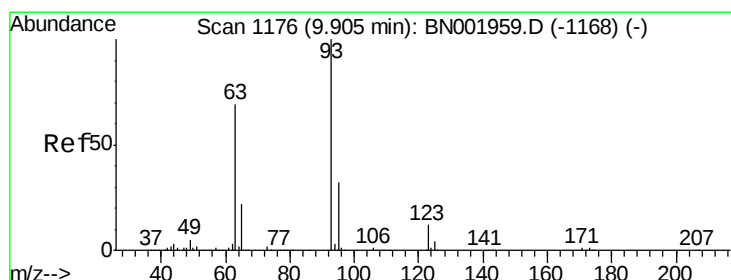
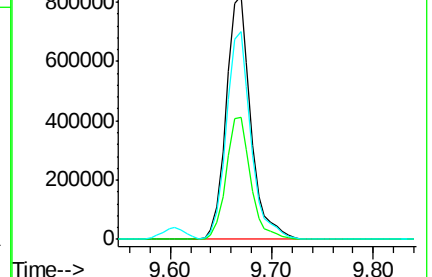
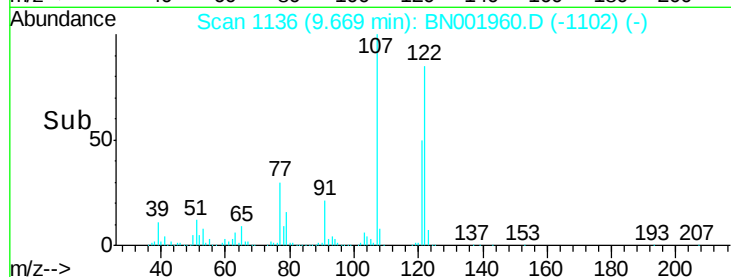
122 85.3 63.8 95.8



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: 16.131 ng/ul

RT: 9.90 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

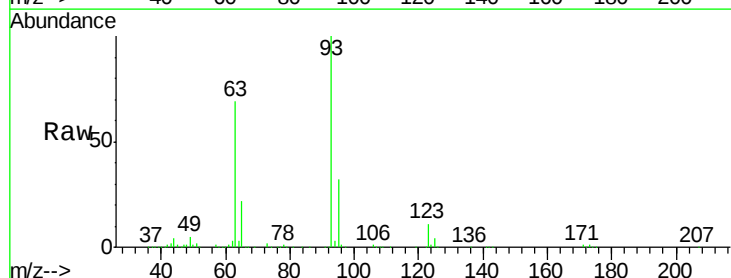
Tgt Ion: 93 Resp: 1146891

Ion Ratio Lower Upper

93 100

95 32.3 24.7 37.1

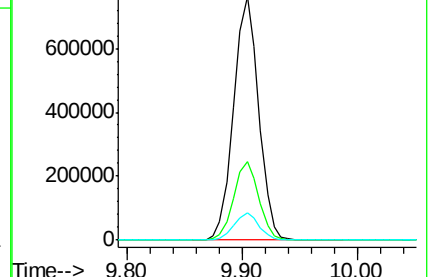
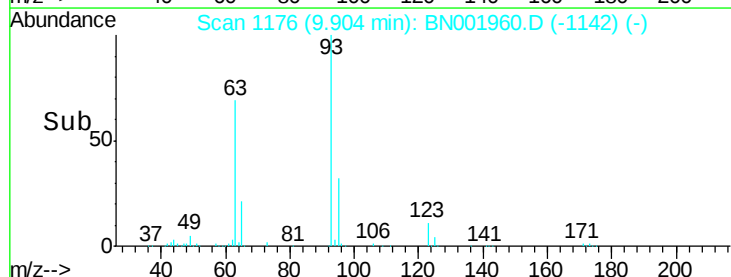
123 11.4 8.2 12.2

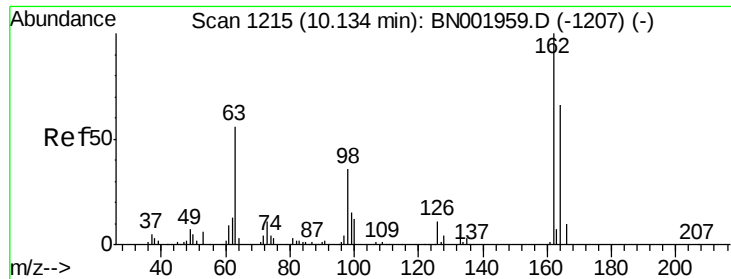


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E

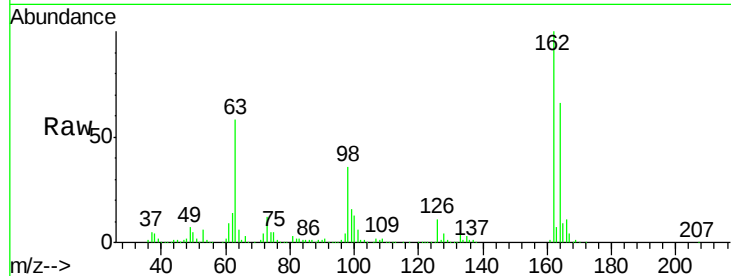




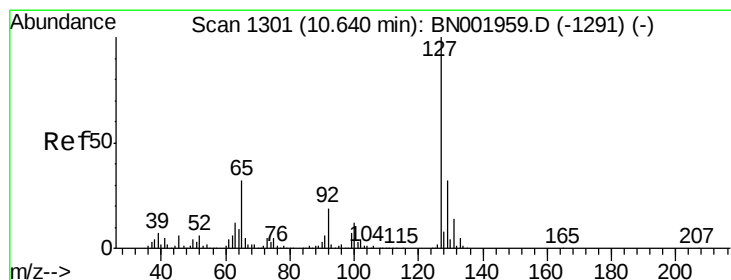
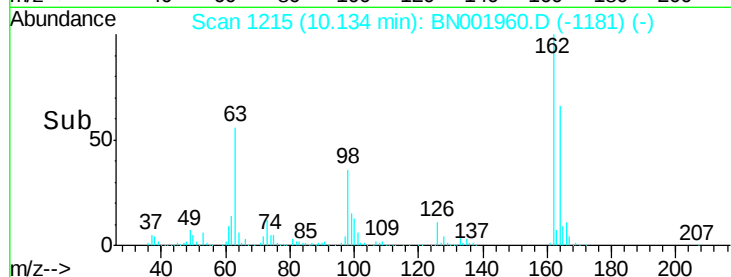
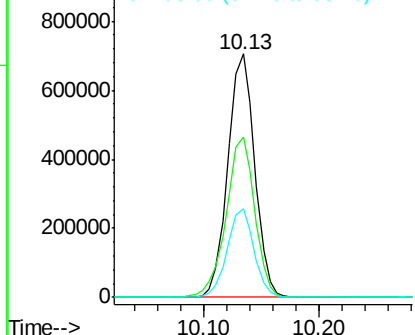
#27
 2,4-Dichlorophenol
 Concen: 22.631 ng/ul
 RT: 10.13 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Instrument :
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 ClientSampleId :
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Tgt Ion:162 Resp: 1137331
 Ion Ratio Lower Upper
 162 100
 164 65.9 52.0 78.0
 98 36.4 26.6 39.8

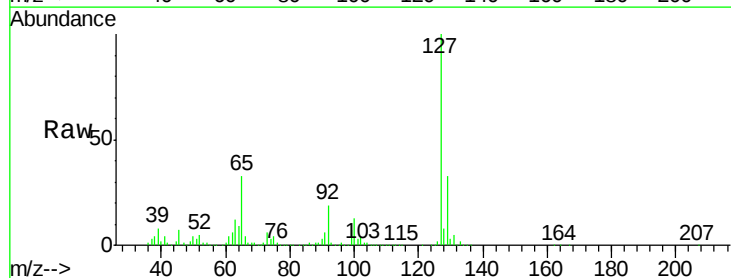


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BNC

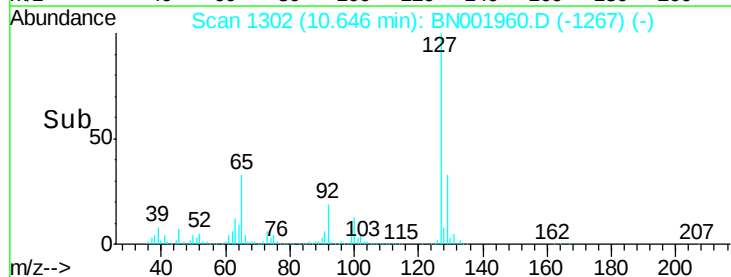
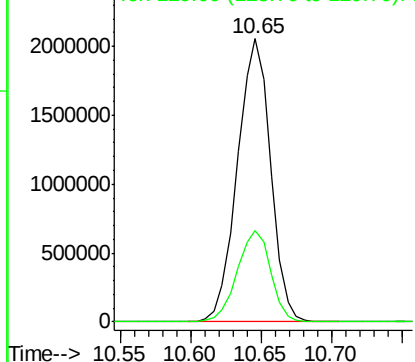


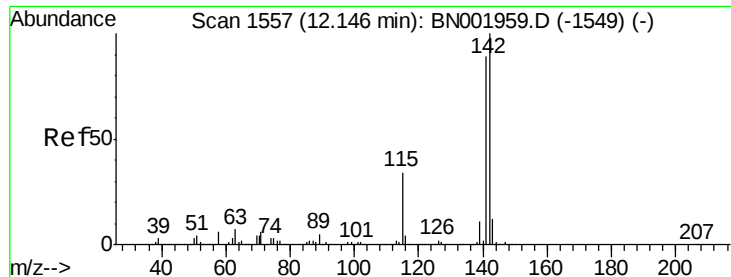
#30
 4-Chloroaniline
 Concen: 63.673 ng/ul
 RT: 10.65 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Tgt Ion:127 Resp: 3370099
 Ion Ratio Lower Upper
 127 100
 129 32.5 24.6 37.0



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

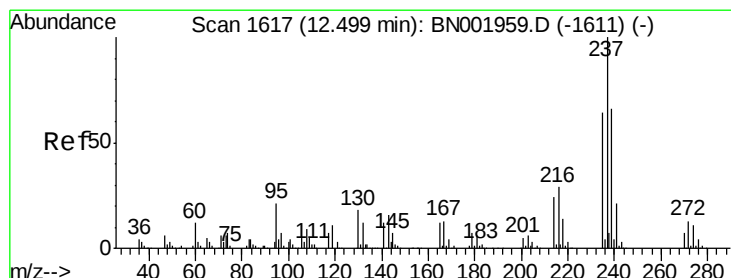
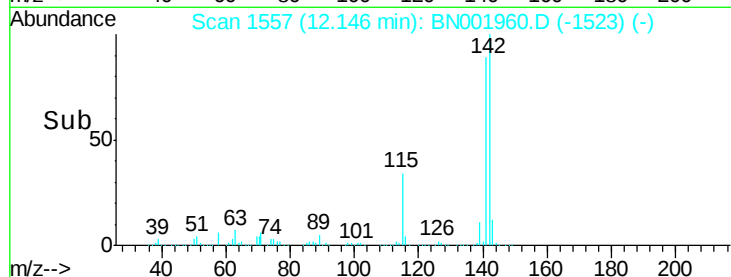
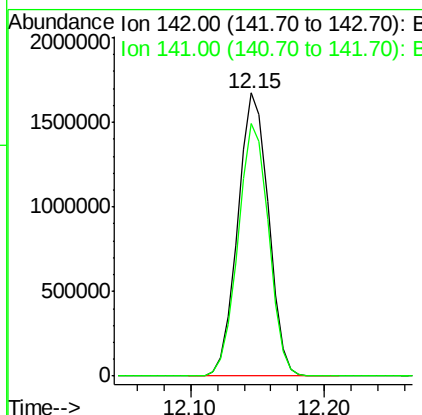
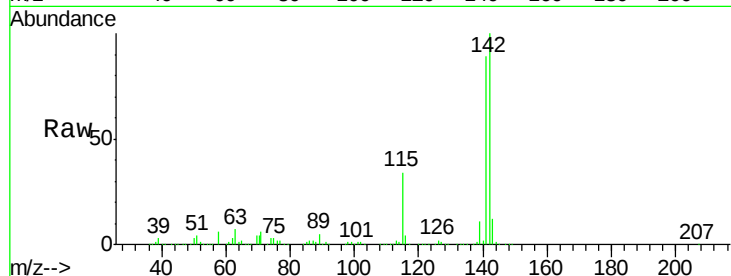




#34
2-Methylnaphthalene
Concen: 21.938 ng/ul
RT: 12.15 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BN001960.D
Acq: 05 Jul 2018 10:36

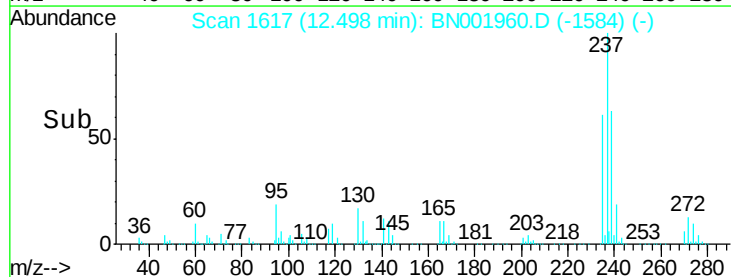
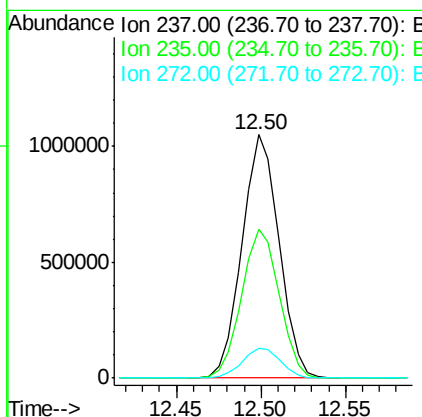
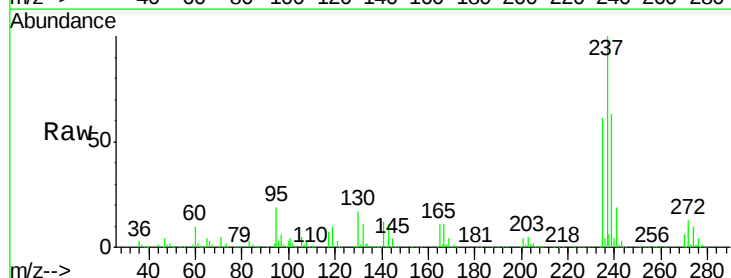
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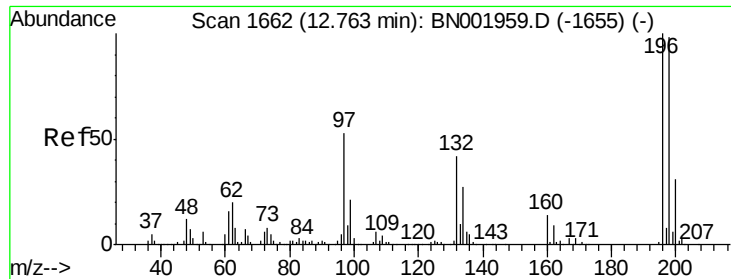
Tgt Ion:142 Resp: 2662247
Ion Ratio Lower Upper
142 100
141 89.2 71.4 107.2



#37
Hexachlorocyclopentadiene
Concen: 44.094 ng/ul
RT: 12.50 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BN001960.D
Acq: 05 Jul 2018 10:36

Tgt Ion:237 Resp: 1604392
Ion Ratio Lower Upper
237 100
235 60.9 49.5 74.3
272 12.5 8.6 12.8

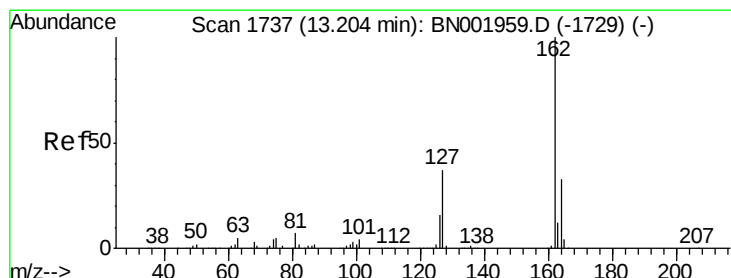
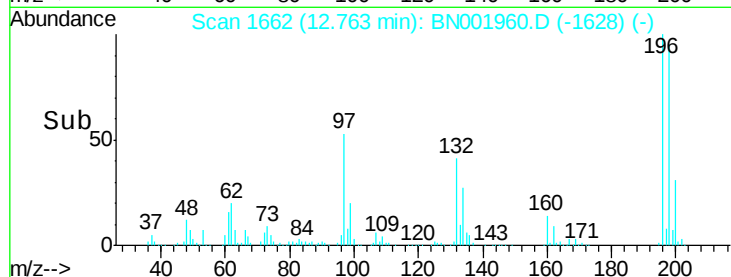
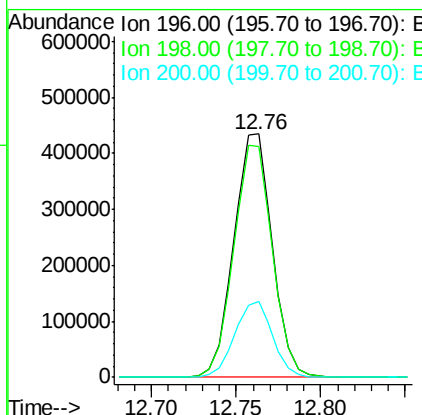
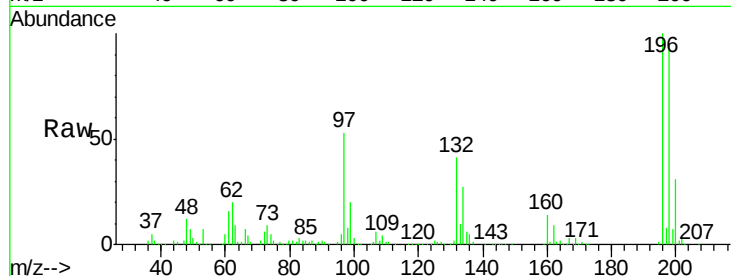




#38
 2,4,6-Trichlorophenol
 Concen: 17.680 ng/ul
 RT: 12.76 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

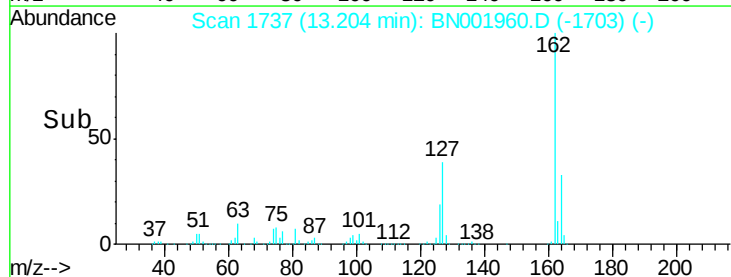
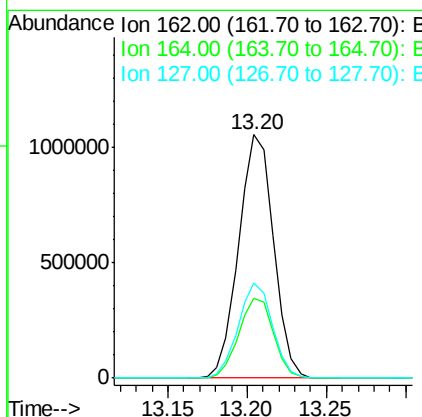
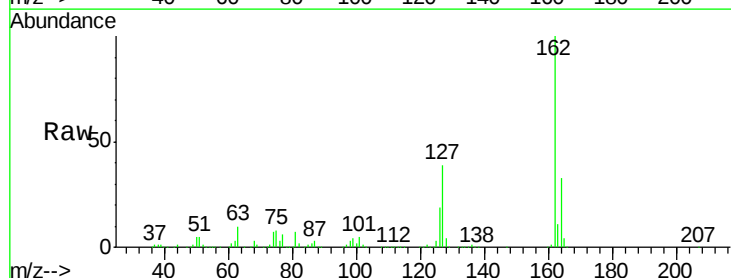
Instrument :
 BNA_N
 ClientSampleId :
 DAZN9

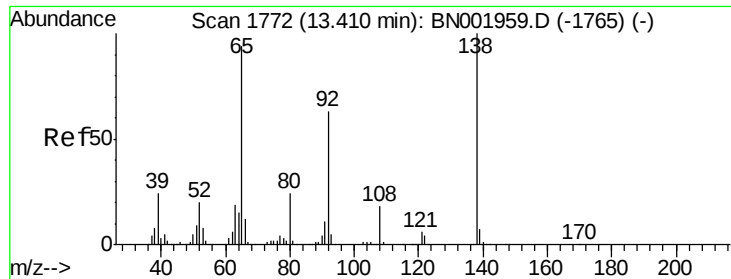
Tgt Ion:196 Resp: 688161
 Ion Ratio Lower Upper
 196 100
 198 94.9 75.9 113.9
 200 31.4 25.8 38.6



#41
 2-Chloronaphthalene
 Concen: 13.507 ng/ul
 RT: 13.20 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Tgt Ion:162 Resp: 1609196
 Ion Ratio Lower Upper
 162 100
 164 32.8 26.2 39.4
 127 39.1 29.5 44.3





#42

2-Nitroaniline

Concen: 64.592 ng/ul

RT: 13.42 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

Instrument :

BNA_N

ClientSampleId :

DAZN9

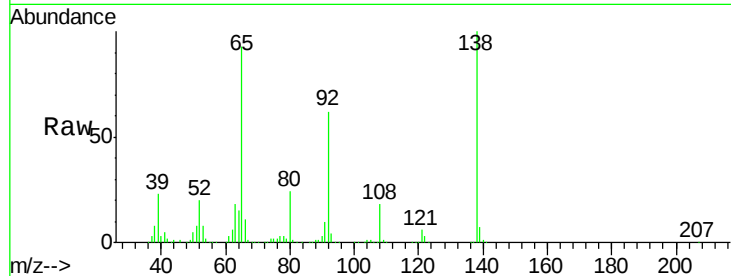
Tgt Ion: 65 Resp: 2146885

Ion Ratio Lower Upper

65 100

92 67.3 57.0 85.4

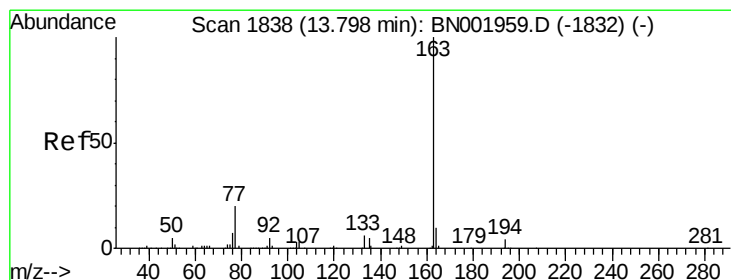
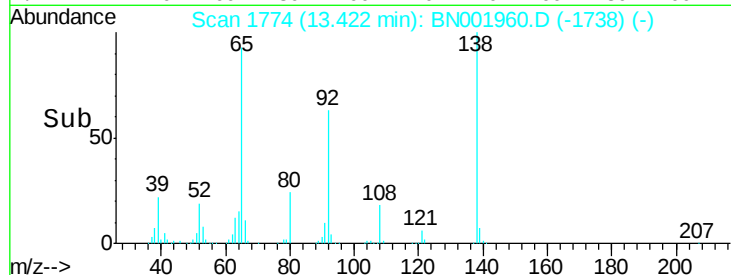
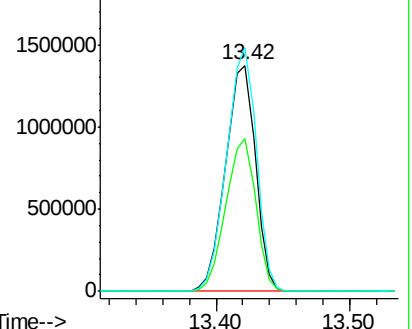
138 107.7 87.2 130.8



Abundance Ion 65.00 (64.70 to 65.70): BN001959.D (-1765) (-)

Ion 92.00 (91.70 to 92.70): BN001959.D (-1765) (-)

Ion 138.00 (137.70 to 138.70): BN001959.D (-1765) (-)



#44

Dimethylphthalate

Concen: 27.358 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

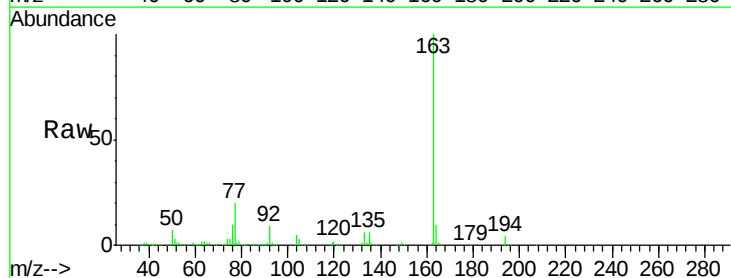
Tgt Ion: 163 Resp: 4172204

Ion Ratio Lower Upper

163 100

194 4.3 4.0 6.0

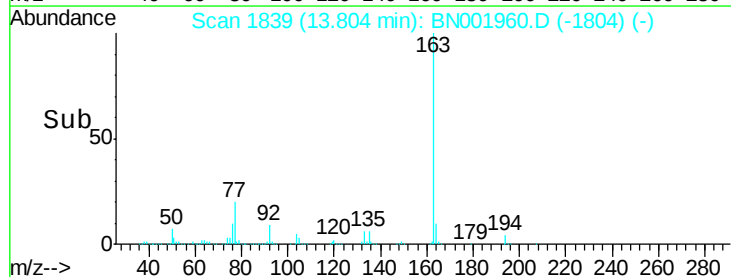
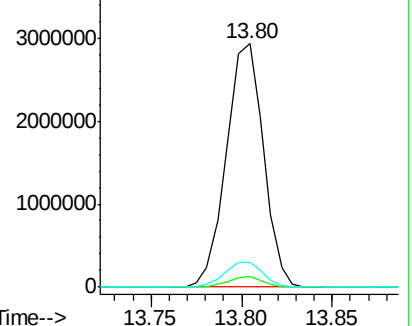
164 10.2 8.4 12.6

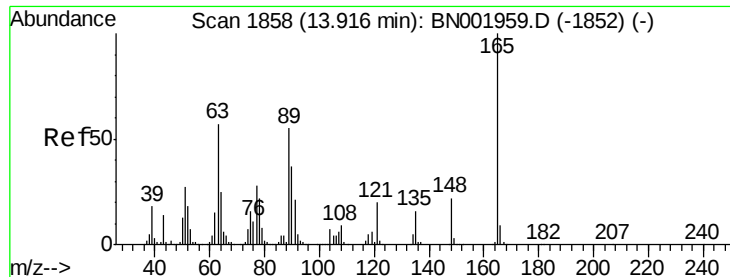


Abundance Ion 163.00 (162.70 to 163.70): BN001959.D (-1832) (-)

Ion 194.00 (193.70 to 194.70): BN001959.D (-1832) (-)

Ion 164.00 (163.70 to 164.70): BN001959.D (-1832) (-)

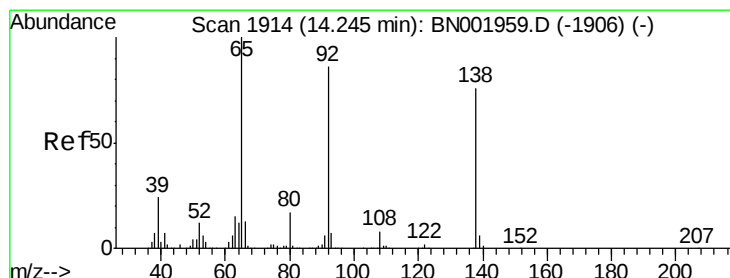
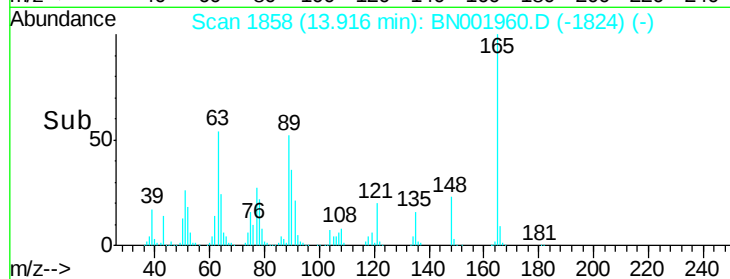
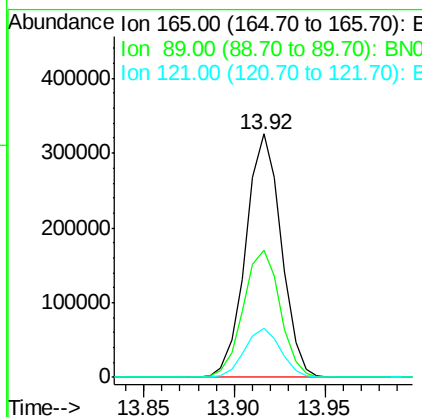
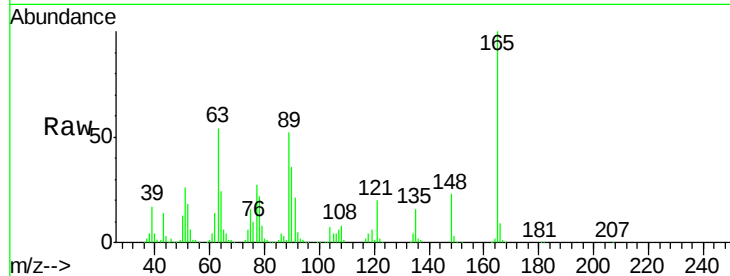




#45
 2,6-Dinitrotoluene
 Concen: 15.419 ng/ul
 RT: 13.92 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

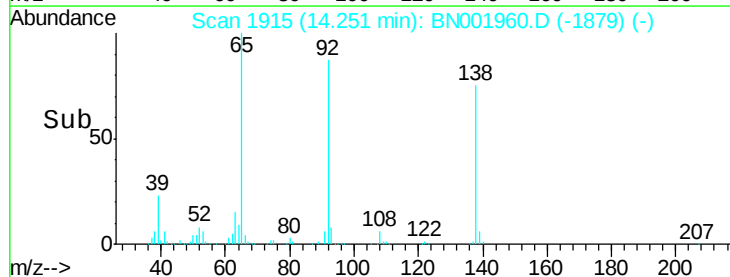
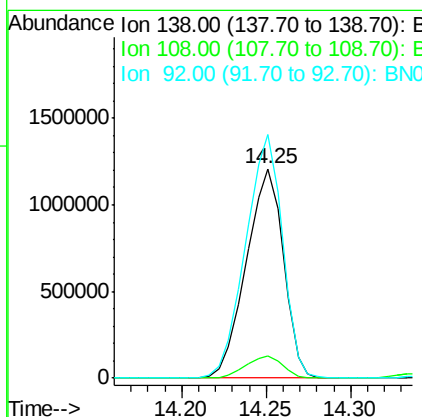
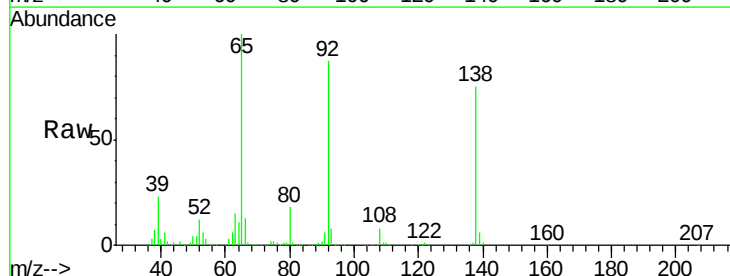
Instrument :
 BNA_N
 ClientSampleId :
 DAZN9

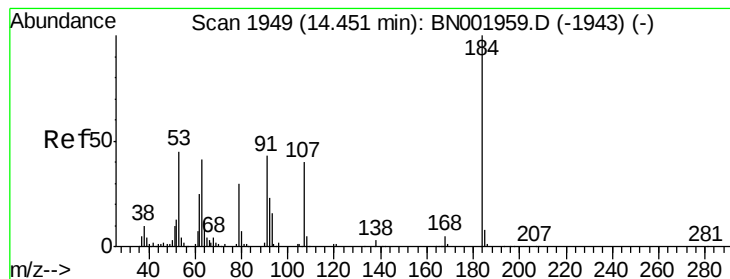
Tgt Ion:165 Resp: 443987
 Ion Ratio Lower Upper
 165 100
 89 52.1 43.8 65.8
 121 20.2 17.8 26.6



#48
 3-Nitroaniline
 Concen: 67.242 ng/ul
 RT: 14.25 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Tgt Ion:138 Resp: 1858874
 Ion Ratio Lower Upper
 138 100
 108 10.4 7.6 11.4
 92 116.1 94.2 141.2





#50

2,4-Dinitrophenol

Concen: 71.563 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

Instrument :

BNA_N

ClientSampleId :

DAZN9

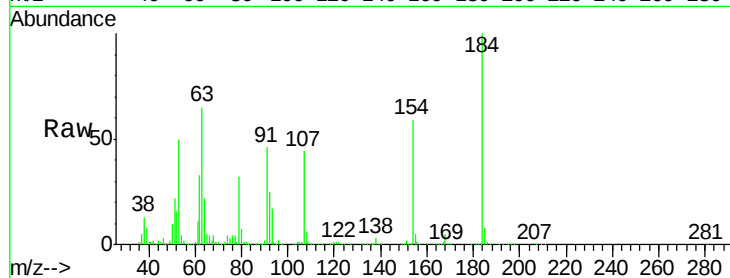
Tgt Ion:184 Resp: 1057299

Ion Ratio Lower Upper

184 100

63 65.2 39.7 59.5#

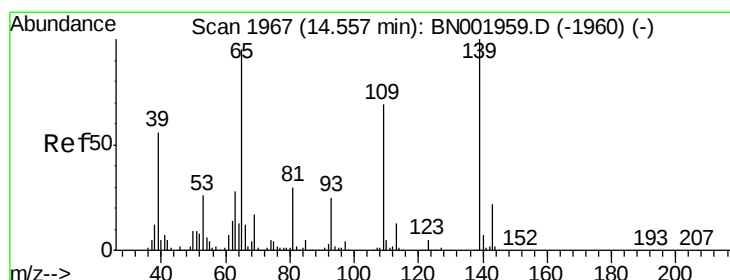
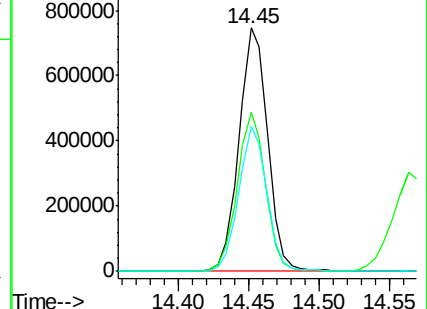
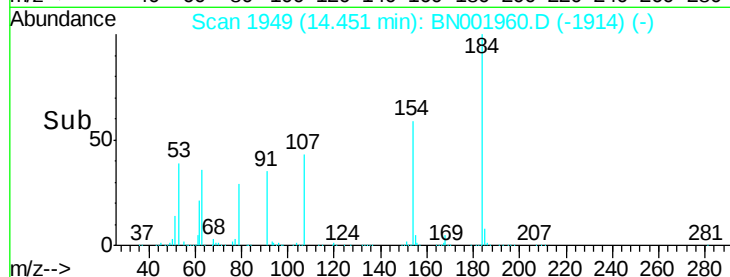
154 59.3 45.0 67.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 51.802 ng/ul

RT: 14.56 min Scan# 1968

Delta R.T. 0.01 min

Lab File: BN001960.D

Acq: 05 Jul 2018 10:36

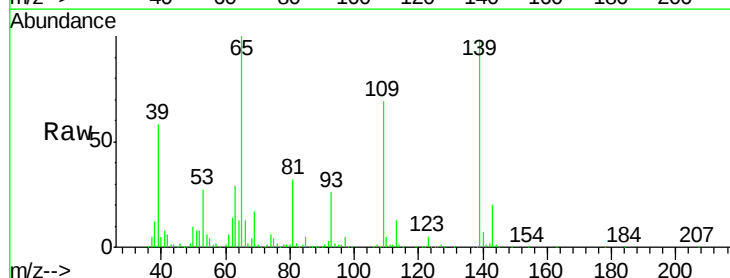
Tgt Ion:109 Resp: 1101055

Ion Ratio Lower Upper

109 100

139 142.1 91.2 136.8#

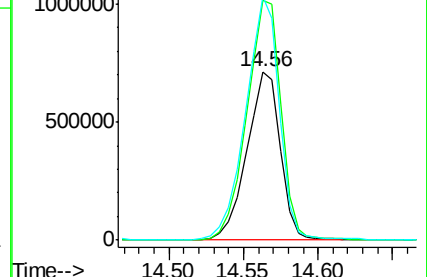
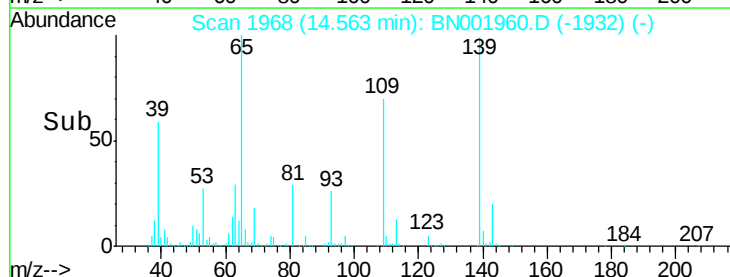
65 144.4 92.6 139.0#

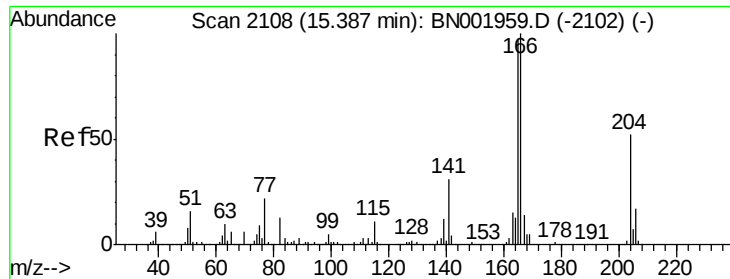


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC

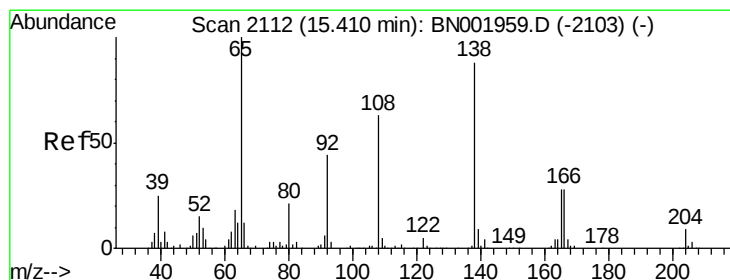
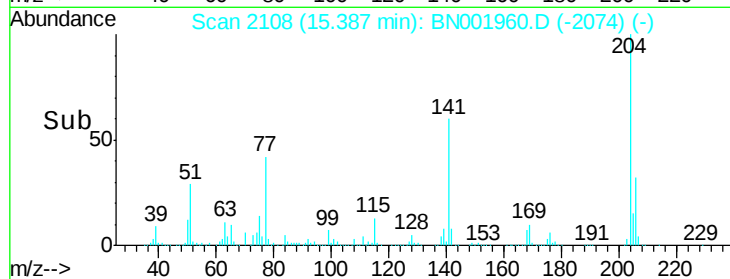
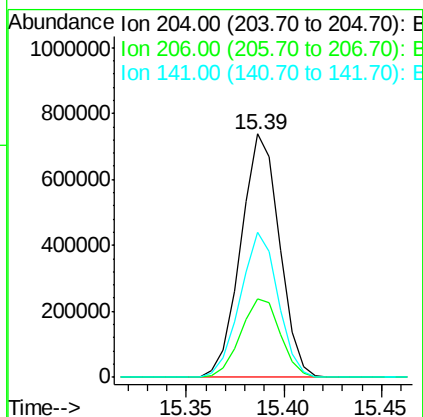
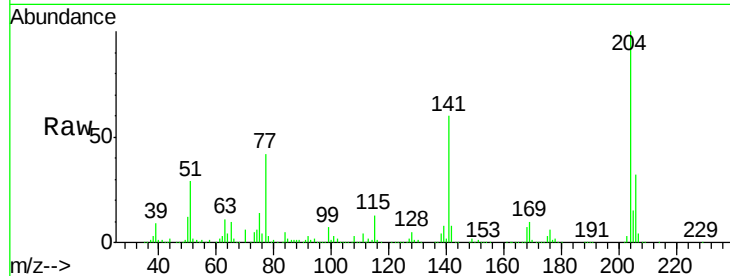




#59
 4-Chlorophenyl-phenylether
 Concen: 13.771 ng/ul
 RT: 15.39 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

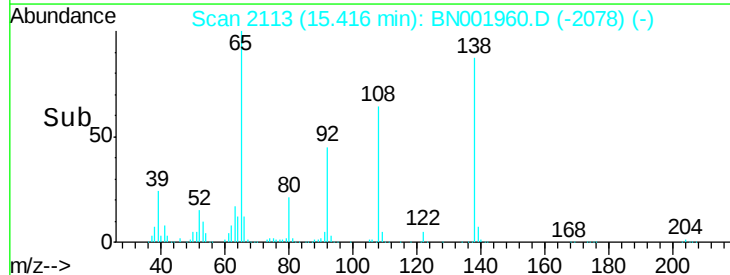
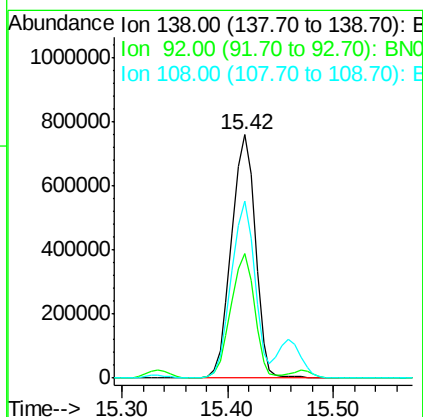
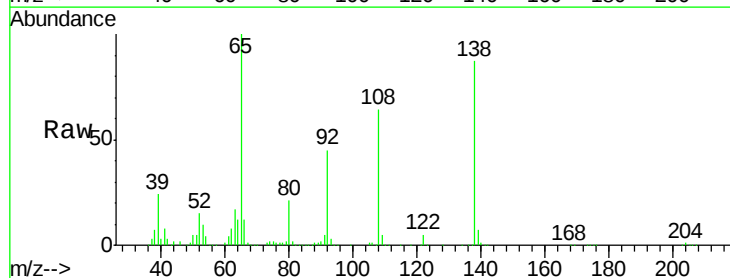
Instrument :
 BNA_N
 ClientSampleId :
 DAZN9

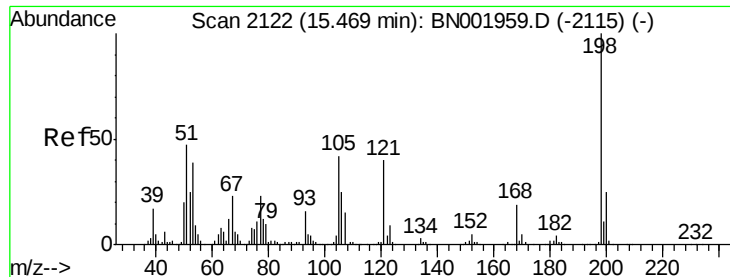
Tgt Ion:204 Resp: 1012791
 Ion Ratio Lower Upper
 204 100
 206 32.4 26.6 40.0
 141 59.7 40.7 61.1



#60
 4-Nitroaniline
 Concen: 34.912 ng/ul
 RT: 15.42 min Scan# 2113
 Delta R.T. 0.01 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Tgt Ion:138 Resp: 1191541
 Ion Ratio Lower Upper
 138 100
 92 51.4 38.2 57.4
 108 72.7 70.0 105.0

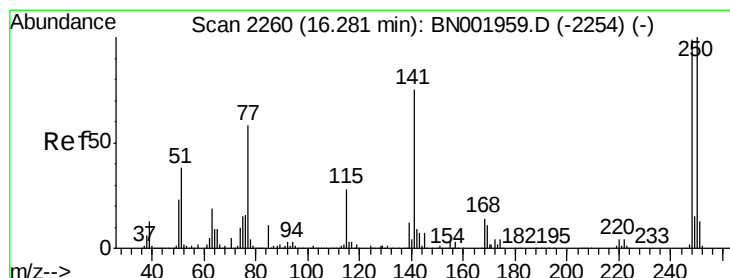
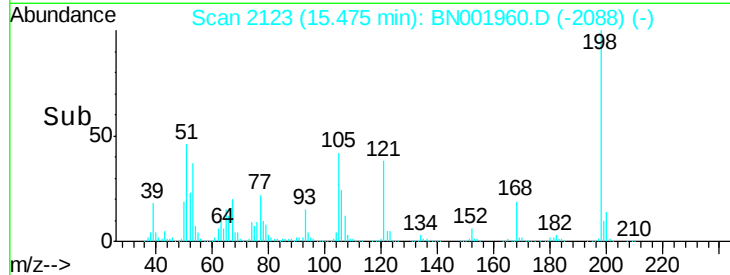
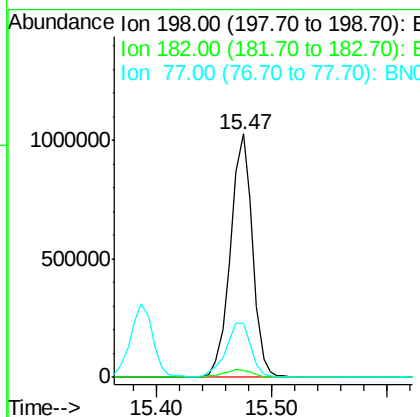
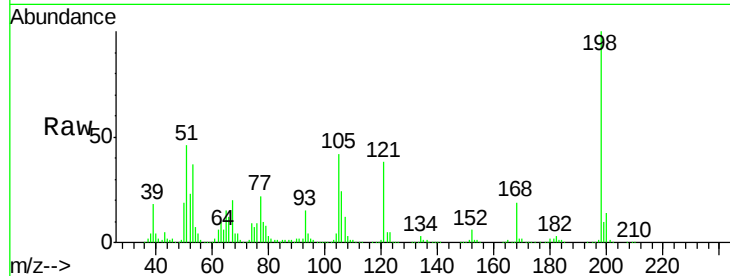




#63
 4,6-Dinitro-2-methylphenol
 Concen: 60.634 ng/ul
 RT: 15.47 min Scan# 2123
 Delta R.T. 0.01 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

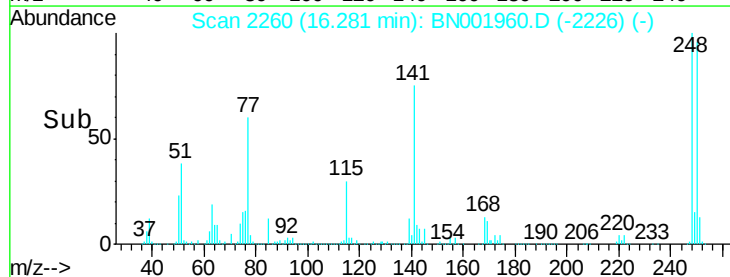
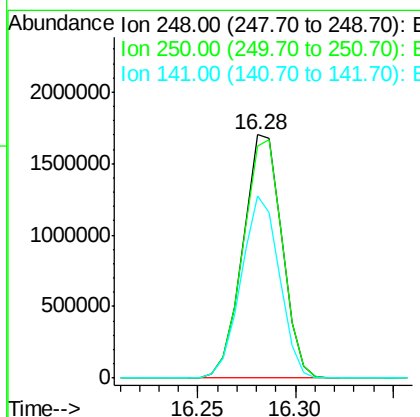
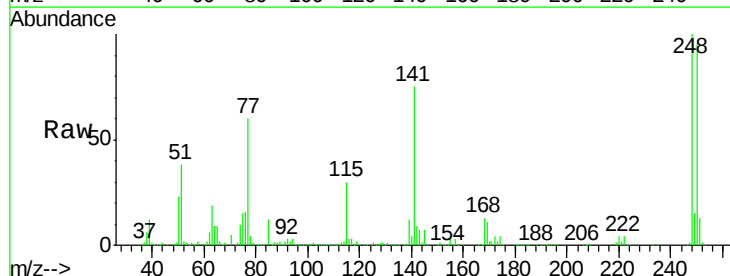
Instrument :
 BNA_N
 ClientSampleId :
 DAZN9

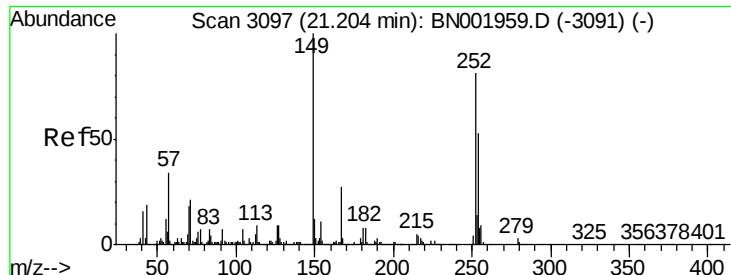
Tgt Ion:198 Resp: 1353863
 Ion Ratio Lower Upper
 198 100
 182 3.1 3.5 5.3#
 77 22.2 18.2 27.4



#65
 4-Bromophenyl-phenylether
 Concen: 56.235 ng/ul
 RT: 16.28 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Tgt Ion:248 Resp: 2359229
 Ion Ratio Lower Upper
 248 100
 250 95.6 79.0 118.4
 141 74.6 51.9 77.9

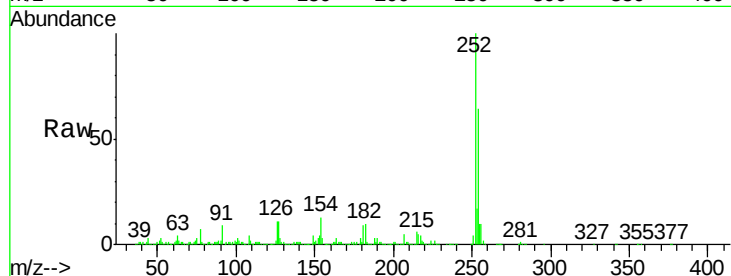




#79
 3,3'-Dichlorobenzidine
 Concen: 24.400 ng/ul
 RT: 21.20 min Scan# 3097
 Delta R.T. 0.00 min
 Lab File: BN001960.D
 Acq: 05 Jul 2018 10:36

Instrument :
 BNA_N
 ClientSampleId :
 DAZN9

Tgt Ion:252 Resp: 1402100
 Ion Ratio Lower Upper
 252 100
 254 63.7 52.8 79.2
 126 10.9 6.9 10.3#



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

