

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042224\
 Data File : BN031121.D
 Acq On : 22 Apr 2024 14:13
 Operator : MA/JU
 Sample : P2170-06MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EZZZ9MSD

Quant Time: Apr 22 23:26:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	123998	20.000	ng/ul	0.00
20) Naphthalene-d8	10.410	136	568822	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.280	164	381268	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.027	188	847490	20.000	ng/ul	0.00
79) Chrysene-d12	21.268	240	958688	20.000	ng/ul	0.00
88) Perylene-d12	24.168	264	1143434	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	5327	2.007	ng/uL	0.00
4) Pyridine-d5	3.557	84	641	0.084	ng/ul	0.00
7) Phenol-d5	6.816	99	231	0.022	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	63306	10.402	ng/ul	0.00
11) 2-Chlorophenol-d4	7.169	132	771	0.095	ng/ul	0.00
15) 4-Methylphenol-d8	8.345	113	1156	0.131	ng/ul	0.00
21) Nitrobenzene-d5	8.787	128	33064	8.090	ng/ul	0.00
24) 2-Nitrophenol-d4	9.504	143	27540	6.483	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.033	165	551	0.066	ng/ul	0.00
31) 4-Chloroaniline-d4	10.557	131	2490	0.190	ng/ul	0.00
46) Dimethylphthalate-d6	13.692	166	284398	10.719	ng/ul	0.00
49) Acenaphthylene-d8	13.974	160	1455	0.048	ng/ul	0.00
54) 4-Nitrophenol-d4	14.504	143	4604	0.831	ng/ul	0.01
60) Fluorene-d10	15.274	176	16292	0.705	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.398	200	28990	6.780	ng/ul	0.00
73) Anthracene-d10	17.027	188	847490	23.071	ng/ul	-0.11
81) Pyrene-d10	19.433	212	2733	0.058	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.956	264	1121	0.021	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	9255	3.290	ng/uL#	85
6) Benzaldehyde	6.787	77	56623	11.025	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.069	93	91137	10.711	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.151	45	122272	11.022	ng/ul	100
16) Acetophenone	8.451	105	147752	10.841	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.434	70	67218	9.894	ng/ul	100
22) Nitrobenzene	8.828	77	82159	8.518	ng/ul	94
23) Isophorone	9.351	82	195107	9.912	ng/ul	97
25) 2-Nitrophenol	9.534	139	32297	6.871	ng/ul	94
27) Bis(2-Chloroethoxy)met...	9.834	93	126088	10.545	ng/ul	99
32) 4-Chloroaniline	10.586	127	29553	2.323	ng/ul	97
34) Caprolactam	11.345	113	27196	8.249	ng/ul	93
43) 1,1'-Biphenyl	13.110	154	36248	1.382	ng/ul	99
45) 2-Nitroaniline	13.363	65	17845	3.085	ng/ul	93
47) Dimethylphthalate	13.739	163	340352	12.435	ng/ul	98
48) 2,6-Dinitrotoluene	13.863	165	47483	9.242	ng/ul#	86
51) 3-Nitroaniline	14.198	138	24674	4.183	ng/ul#	94
53) 2,4-Dinitrophenol	14.404	184	14445	4.971	ng/ul	91
57) 2,4-Dinitrotoluene	14.651	165	76703	9.825	ng/ul	99
59) Diethylphthalate	15.110	149	307741	10.933	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.333	204	29086	2.305	ng/ul	96
63) 4-Nitroaniline	15.363	138	38241	6.013	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.416	198	35747	7.786	ng/ul#	99
67) N-Nitrosodiphenylamine	15.545	169	71849	3.163	ng/ul	97

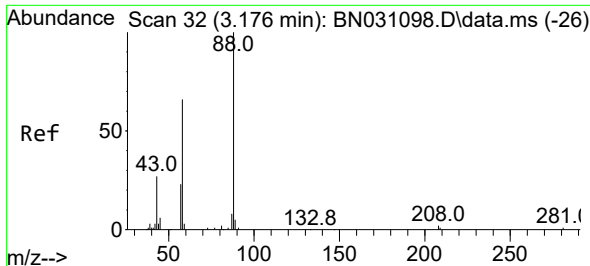
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042224\
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 Operator : MA/JU
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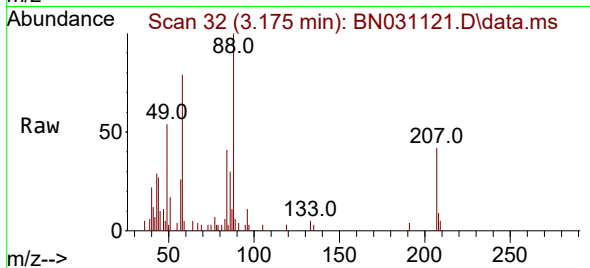
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl-phenylether	16.227	248	12360	1.542	ng/ul	95
70) Atrazine	16.504	200	95028	11.916	ng/ul	93
78) Di-n-butylphthalate	18.004	149	615980	12.196	ng/ul	99
83) Butylbenzylphthalate	20.374	149	328879	12.723	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.186	252	49242	2.465	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.180	149	513463	13.230	ng/ul	98
89) Di-n-octyl phthalate	22.280	149	903270	13.705	ng/ul	100

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

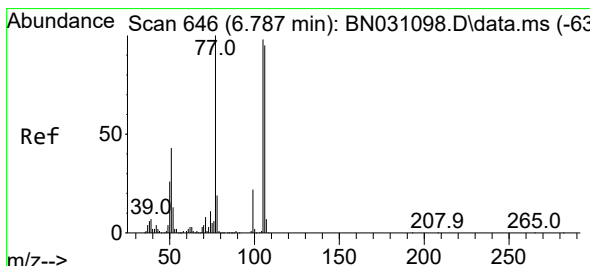
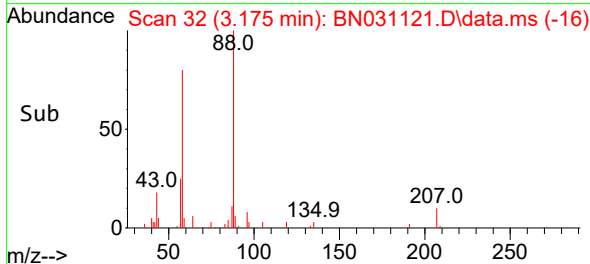
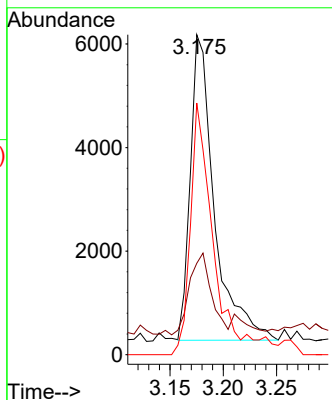


#2
1,4-Dioxane
Concen: 3.290 ng/uL
RT: 3.175 min Scan# 31
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

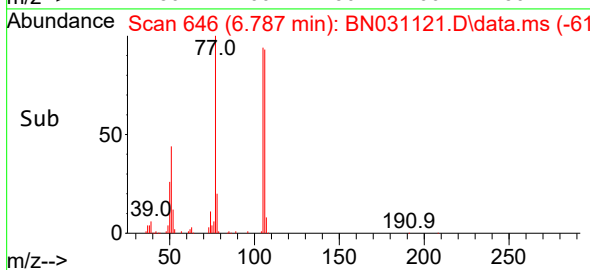
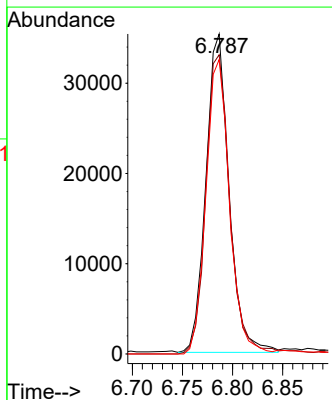
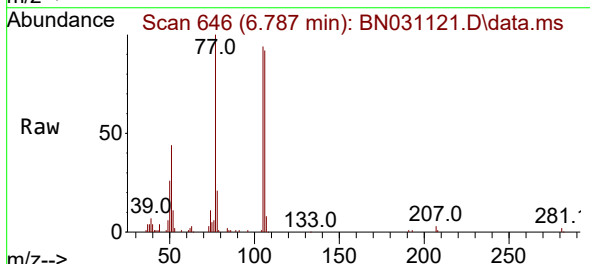


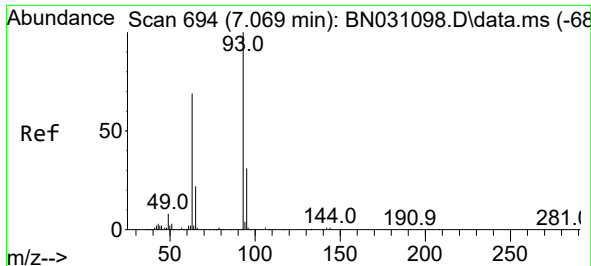
Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.5	22.2	33.2
58	78.7	50.2	75.2



#6
Benzaldehyde
Concen: 11.025 ng/uL
RT: 6.787 min Scan# 646
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion	Ratio	Lower	Upper
77	100		
105	93.5	80.0	120.0
106	92.0	75.0	112.6

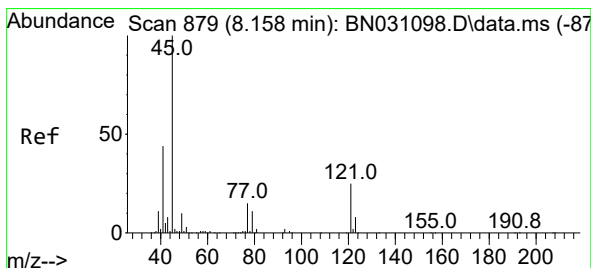
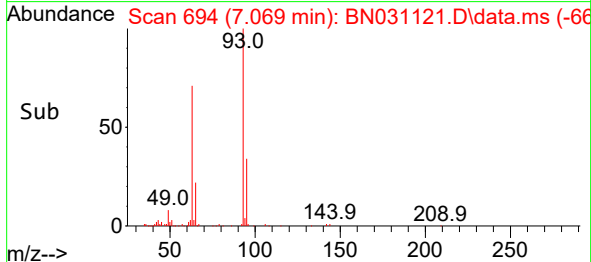
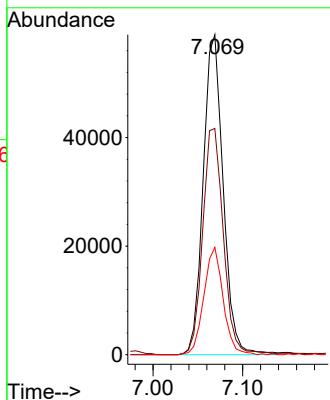
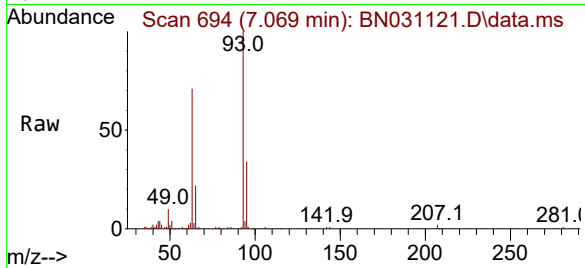




#10
Bis(2-Chloroethyl)ether
Concen: 10.711 ng/ul
RT: 7.069 min Scan# 694
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

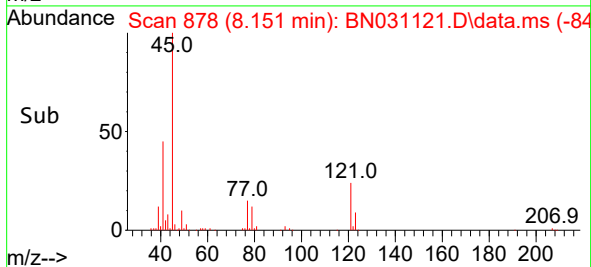
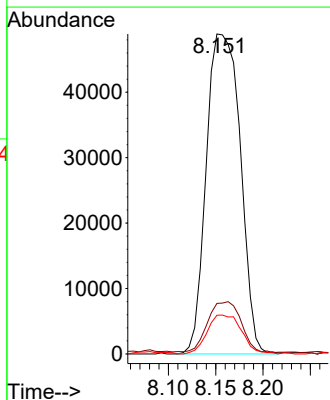
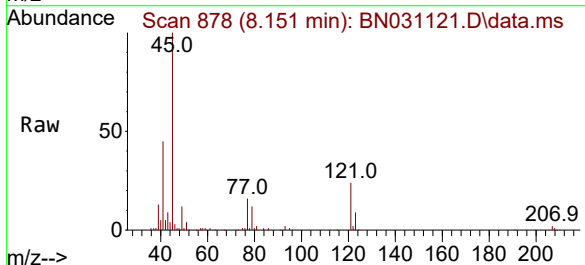
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BNA_N
ClientSampleId :
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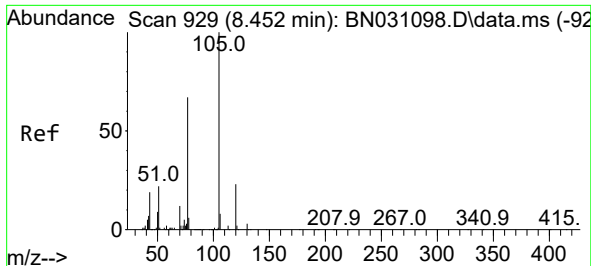
Tgt Ion: 93 Resp: 91137
Ion Ratio Lower Upper
93 100
63 70.7 57.1 85.7
95 33.6 24.9 37.3



#14
2,2'-oxybis(1-Chloropropane)
Concen: 11.022 ng/ul
RT: 8.151 min Scan# 878
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion: 45 Resp: 122272
Ion Ratio Lower Upper
45 100
77 15.8 12.5 18.7
79 12.1 9.6 14.4

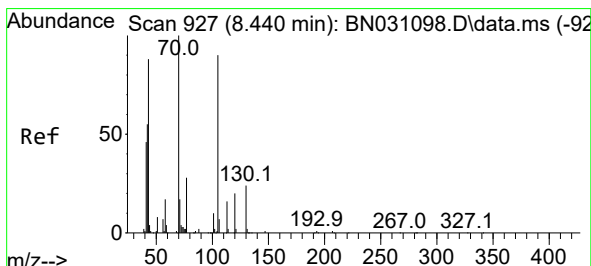
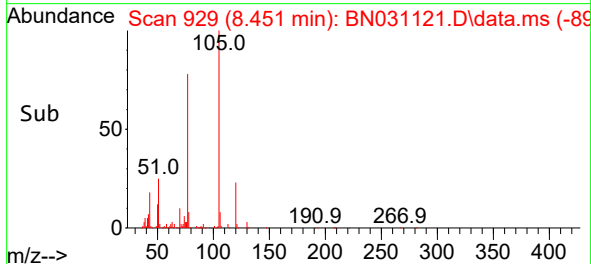
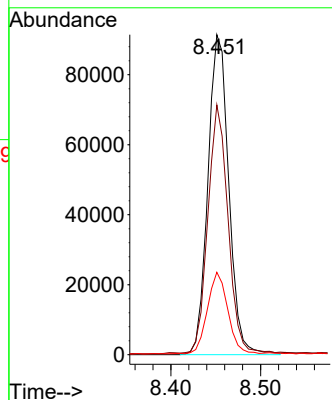
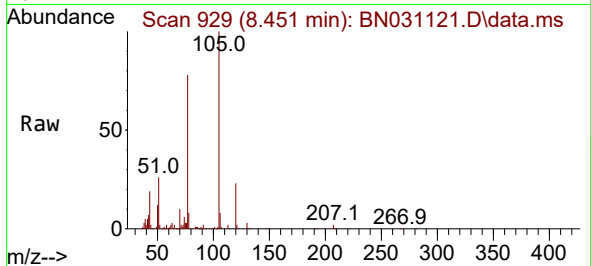




#16
Acetophenone
Concen: 10.841 ng/ul
RT: 8.451 min Scan# 91
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

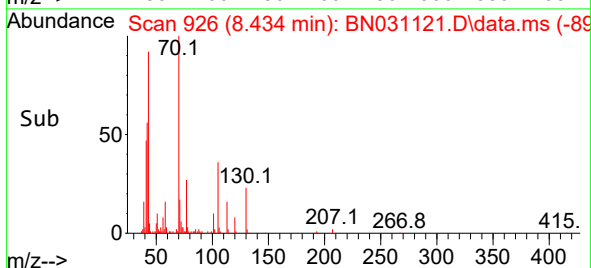
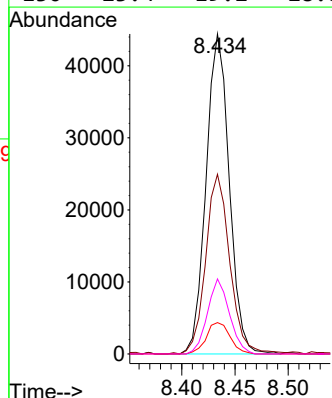
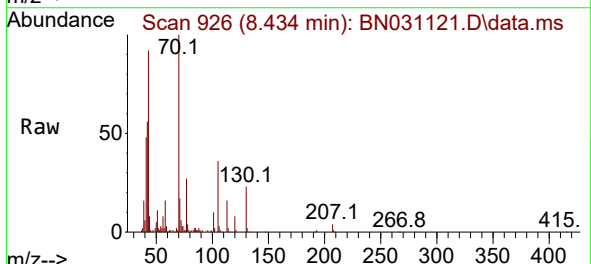
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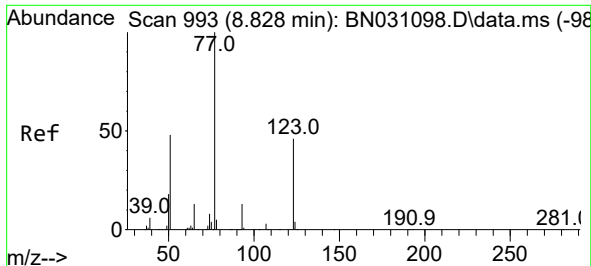
Tgt Ion:105 Resp: 147752
Ion Ratio Lower Upper
105 100
77 78.1 60.2 90.4
51 25.8 20.6 31.0



#17
N-Nitroso-di-n-propylamine
Concen: 9.894 ng/ul
RT: 8.434 min Scan# 926
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion: 70 Resp: 67218
Ion Ratio Lower Upper
70 100
42 56.2 45.0 67.6
101 9.8 8.1 12.1
130 23.4 19.2 28.8

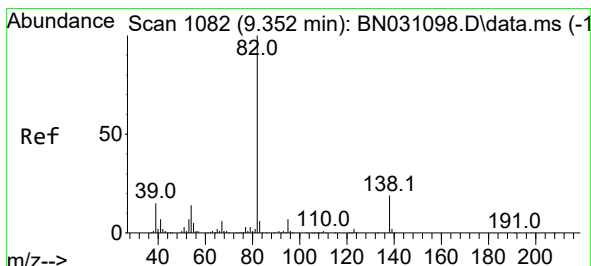
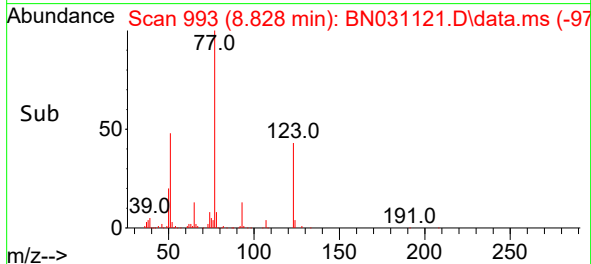
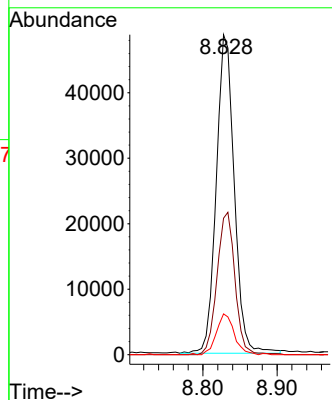
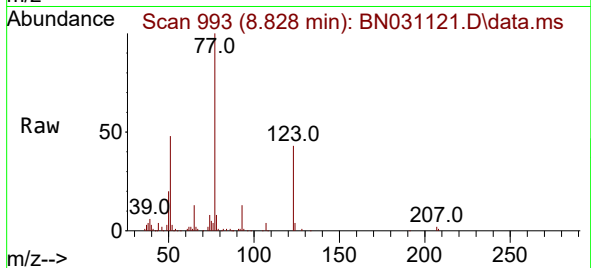




#22
Nitrobenzene
Concen: 8.518 ng/ul
RT: 8.828 min Scan# 993
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

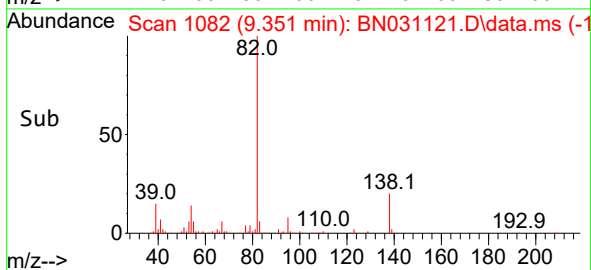
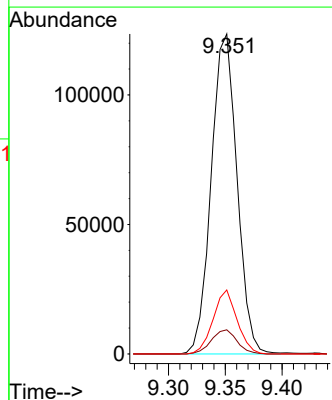
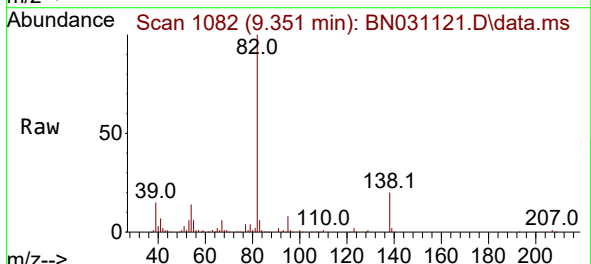
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ClientSampleId :
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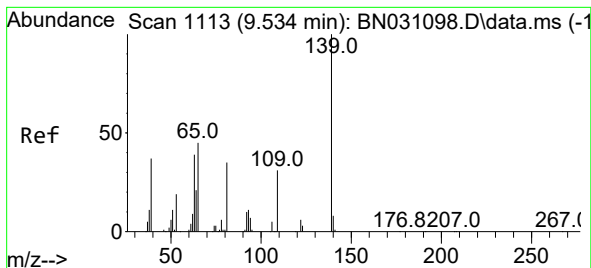
Tgt Ion: 77 Resp: 82159
Ion Ratio Lower Upper
77 100
123 42.6 38.2 57.2
65 12.8 10.7 16.1



#23
Isophorone
Concen: 9.912 ng/ul
RT: 9.351 min Scan# 1082
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion: 82 Resp: 195107
Ion Ratio Lower Upper
82 100
95 7.6 5.9 8.9
138 20.0 14.7 22.1





#25

2-Nitrophenol

Concen: 6.871 ng/ul

RT: 9.534 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BN031121.D

Acq: 22 Apr 2024 14:13

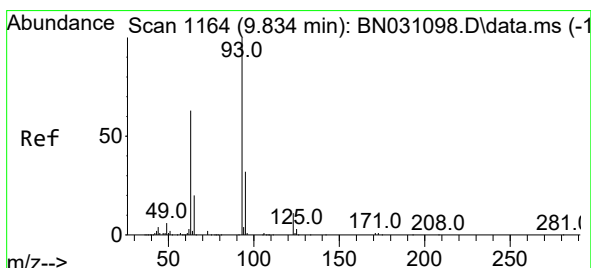
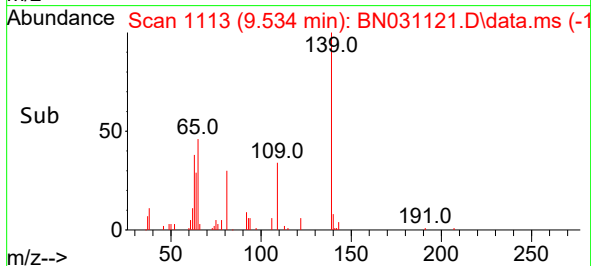
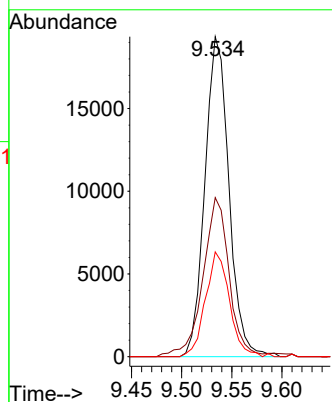
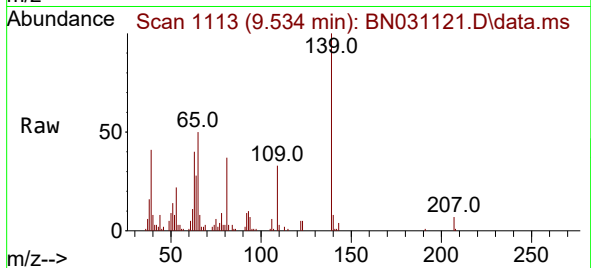
Instrument :

BNA_N

ClientSampleId :

EZZZ9MSD

Tgt Ion:139	Resp:	32297
Ion Ratio	Lower	Upper
139	100	
65	49.7	35.2 52.8
109	32.7	25.4 38.0



#27

Bis(2-Chloroethoxy)methane

Concen: 10.545 ng/ul

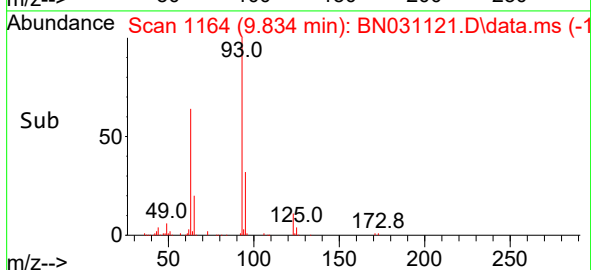
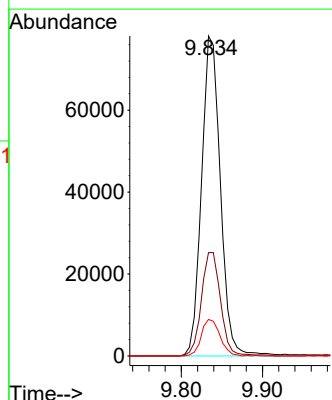
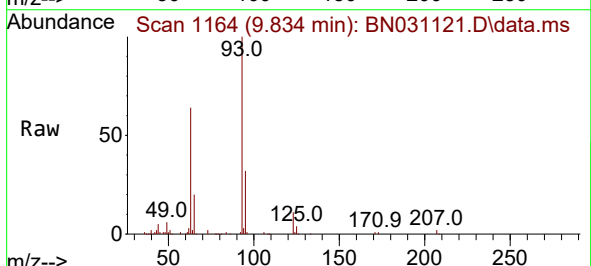
RT: 9.834 min Scan# 1164

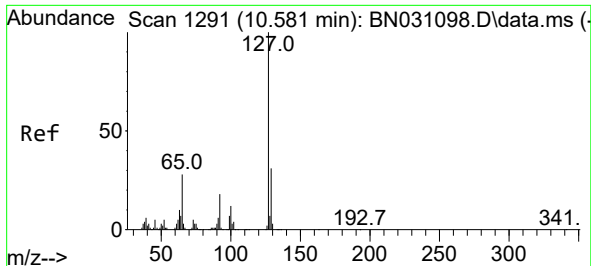
Delta R.T. -0.006 min

Lab File: BN031121.D

Acq: 22 Apr 2024 14:13

Tgt Ion: 93	Resp:	126088
Ion Ratio	Lower	Upper
93	100	
95	32.3	25.8 38.6
123	11.4	9.8 14.6

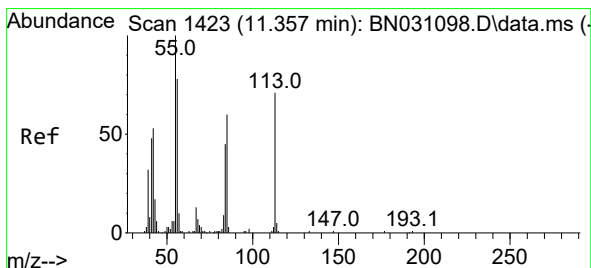
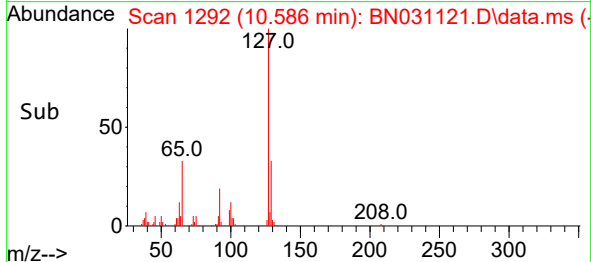
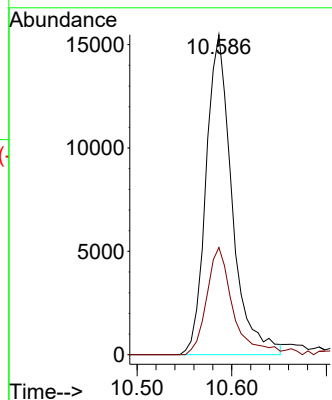
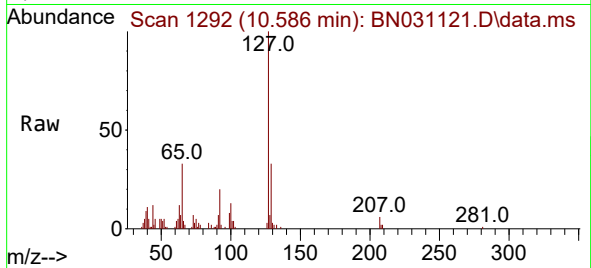




#32
4-Chloroaniline
Concen: 2.323 ng/ul
RT: 10.586 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

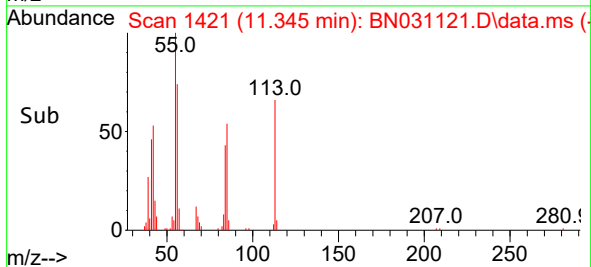
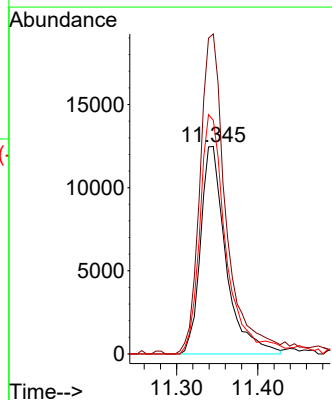
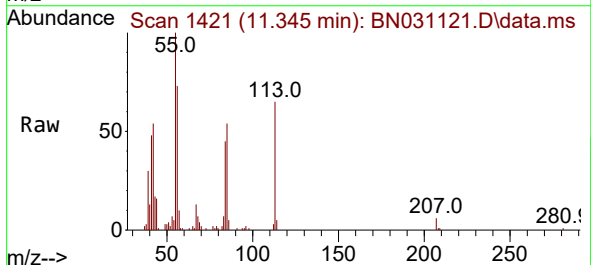
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ClientSampleId :
EZZZ9MSD

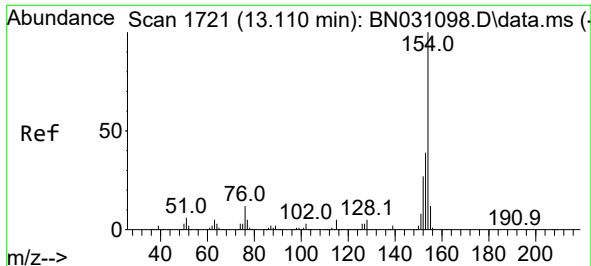
Tgt Ion:127 Resp: 29553
Ion Ratio Lower Upper
127 100
129 33.5 25.4 38.2



#34
Caprolactam
Concen: 8.249 ng/ul
RT: 11.345 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion:113 Resp: 27196
Ion Ratio Lower Upper
113 100
55 154.2 112.4 168.6
56 112.6 88.0 132.0

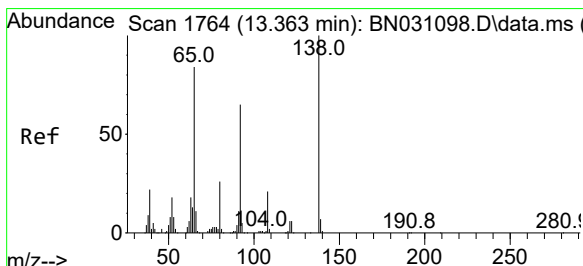
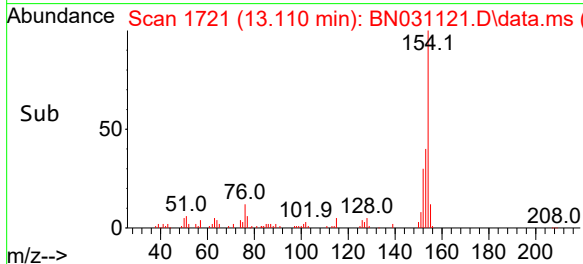
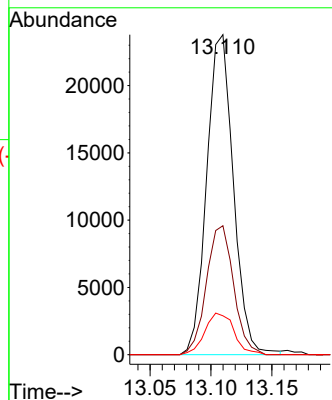
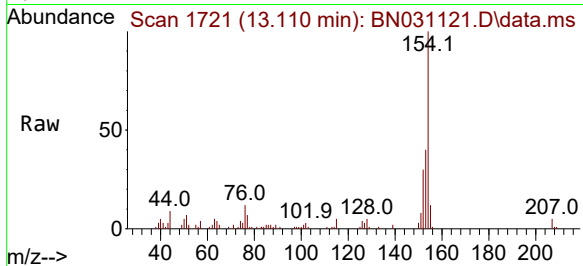




#43
1,1'-Biphenyl
Concen: 1.382 ng/ul
RT: 13.110 min Scan# 1721
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

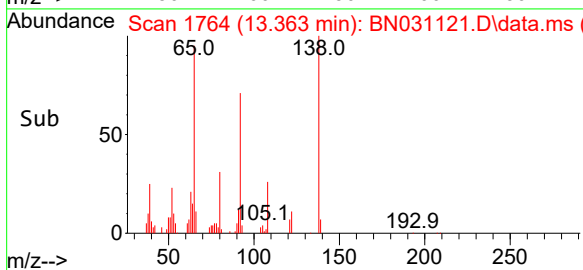
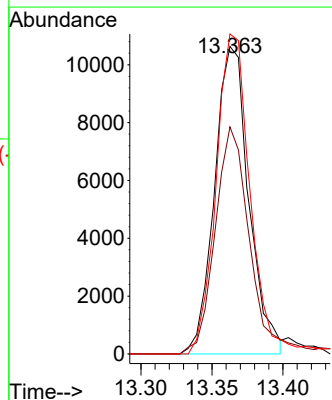
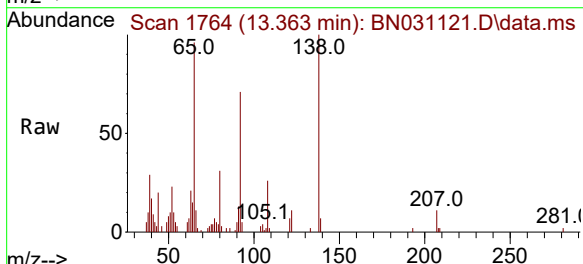
Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

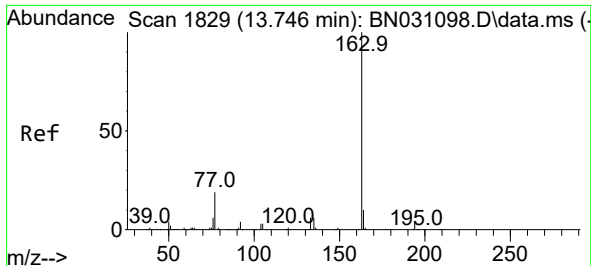
Tgt Ion:154 Resp: 36248
Ion Ratio Lower Upper
154 100
153 40.3 31.8 47.8
76 12.1 10.6 15.8



#45
2-Nitroaniline
Concen: 3.085 ng/ul
RT: 13.363 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion: 65 Resp: 17845
Ion Ratio Lower Upper
65 100
92 73.8 57.4 86.2
138 104.0 91.6 137.4

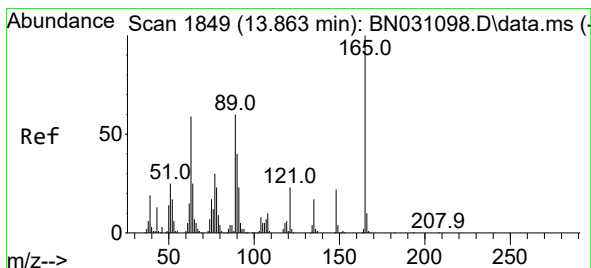
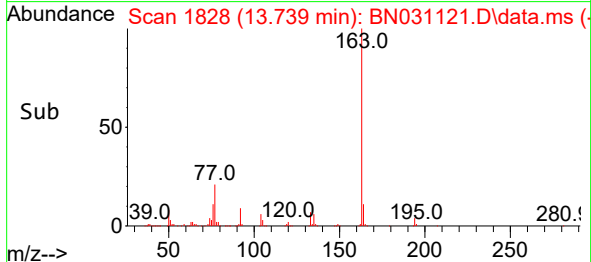
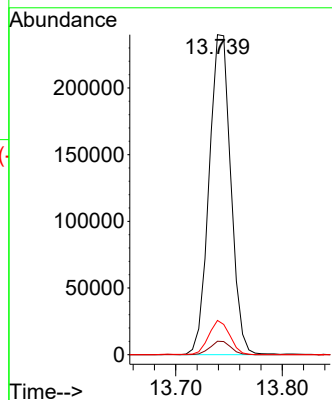
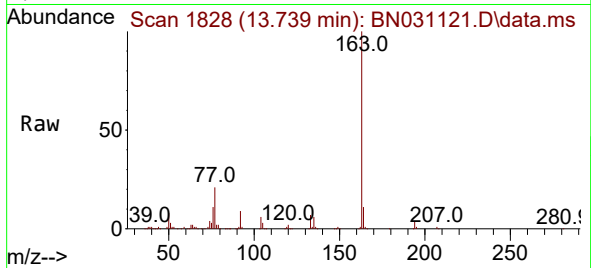




#47
Dimethylphthalate
Concen: 12.435 ng/ul
RT: 13.739 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

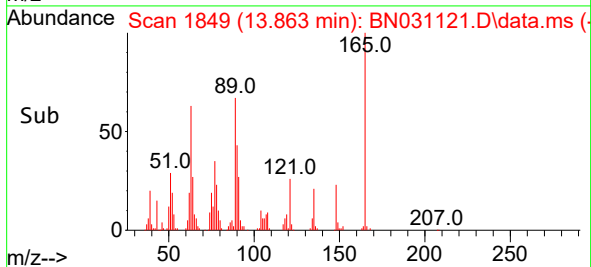
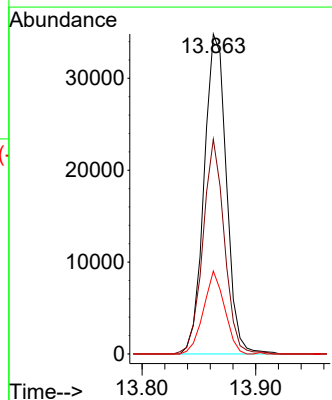
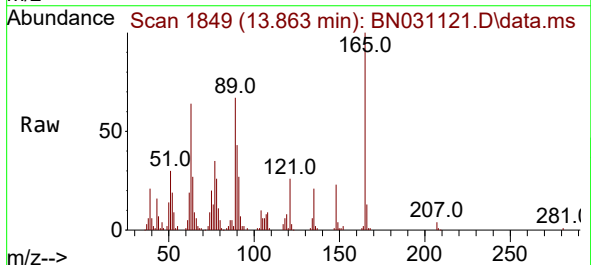
Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

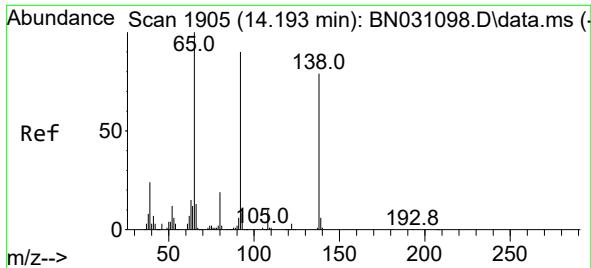
Tgt Ion:163 Resp: 340352
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.7 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 9.242 ng/ul
RT: 13.863 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion:165 Resp: 47483
Ion Ratio Lower Upper
165 100
89 67.1 44.7 67.1#
121 25.9 17.0 25.4#

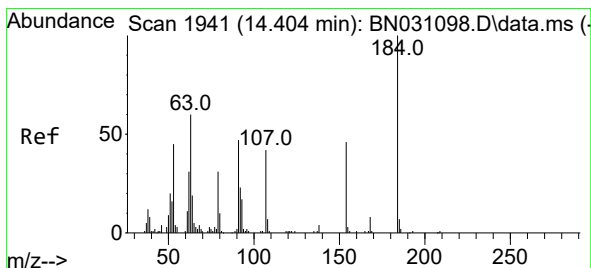
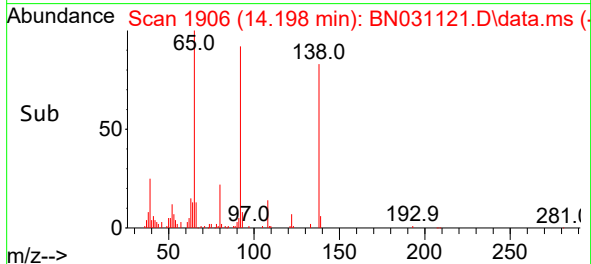
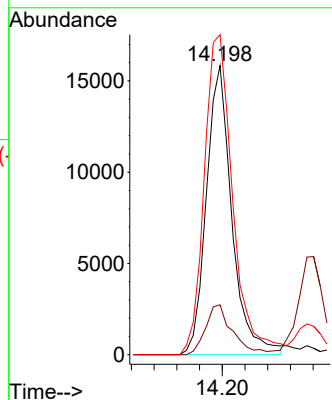
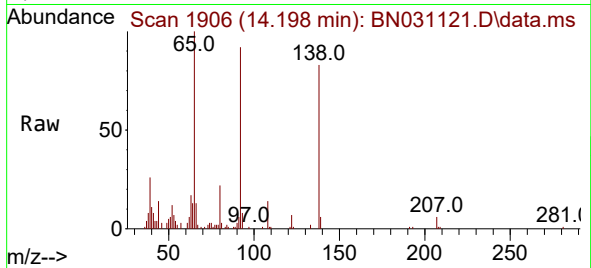




#51
3-Nitroaniline
Concen: 4.183 ng/ul
RT: 14.198 min Scan# 1905
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

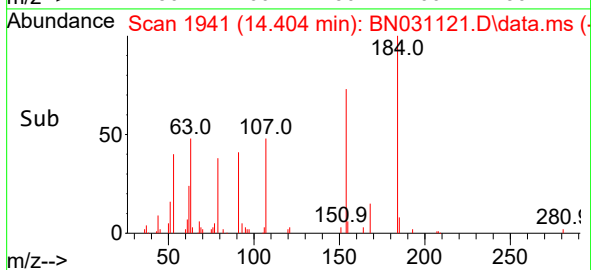
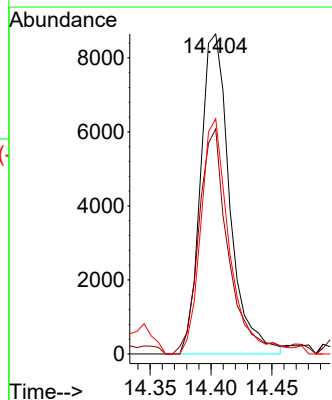
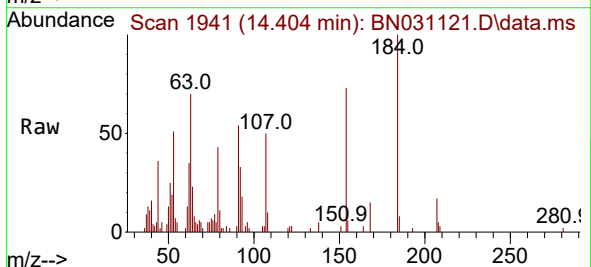
Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

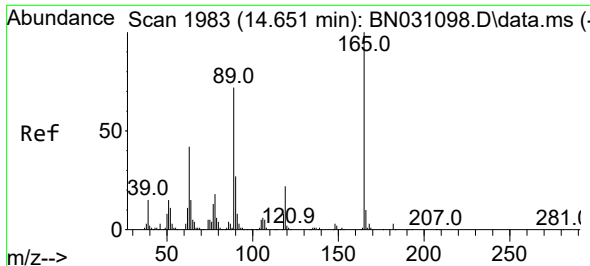
Tgt Ion:138 Resp: 24674
Ion Ratio Lower Upper
138 100
108 17.3 11.1 16.7#
92 110.7 93.9 140.9



#53
2,4-Dinitrophenol
Concen: 4.971 ng/ul
RT: 14.404 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion:184 Resp: 14445
Ion Ratio Lower Upper
184 100
63 70.3 50.4 75.6
154 73.5 53.0 79.6

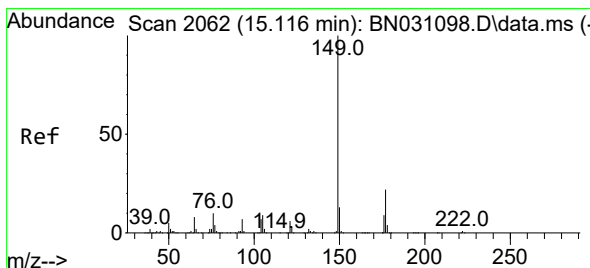
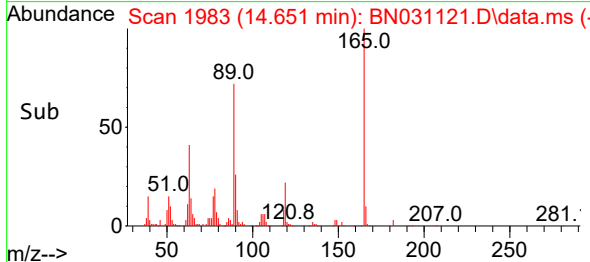
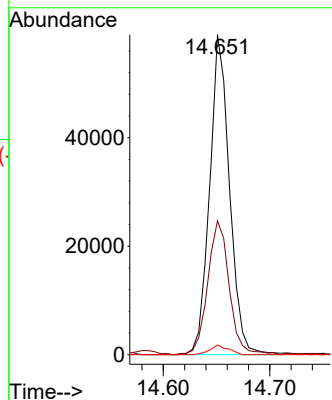
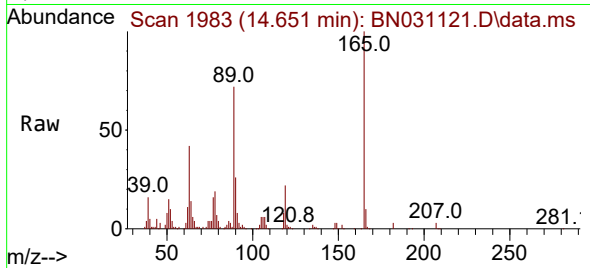




#57
2,4-Dinitrotoluene
Concen: 9.825 ng/ul
RT: 14.651 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

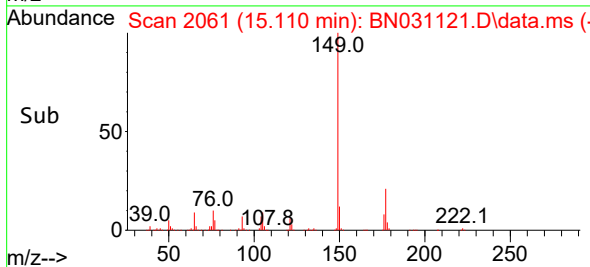
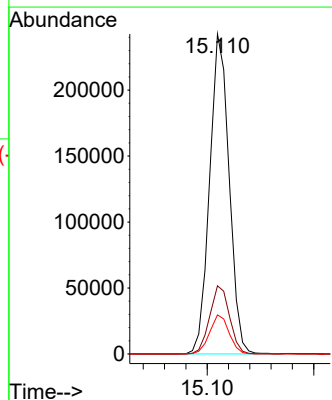
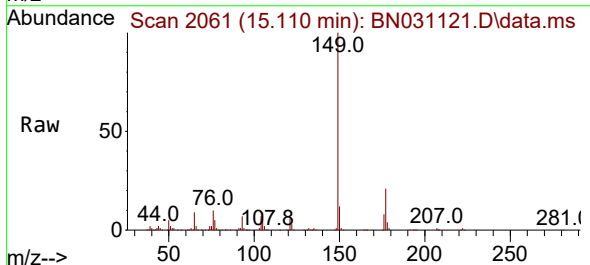
Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

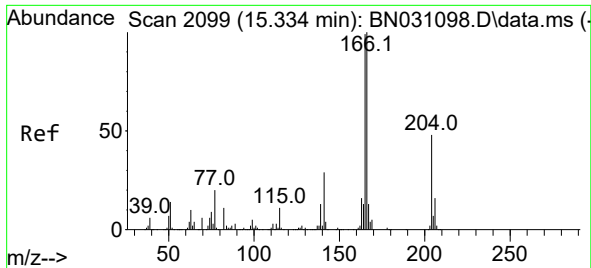
Tgt Ion:165 Resp: 76703
Ion Ratio Lower Upper
165 100
63 41.9 33.9 50.9
182 3.0 2.6 4.0



#59
Diethylphthalate
Concen: 10.933 ng/ul
RT: 15.110 min Scan# 2061
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion:149 Resp: 307741
Ion Ratio Lower Upper
149 100
177 21.3 16.8 25.2
150 12.2 10.1 15.1

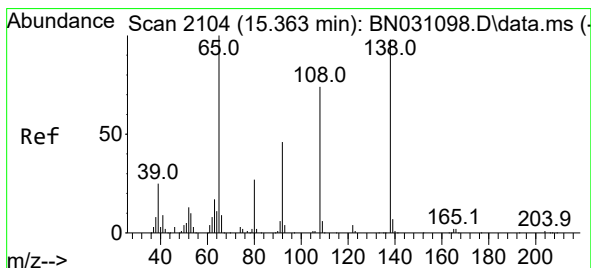
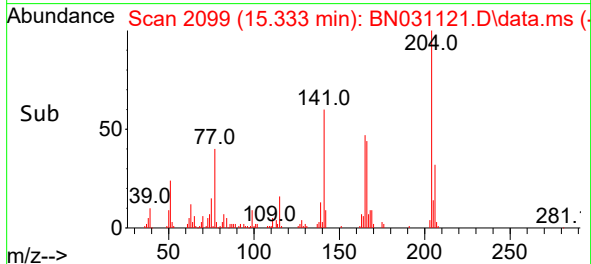
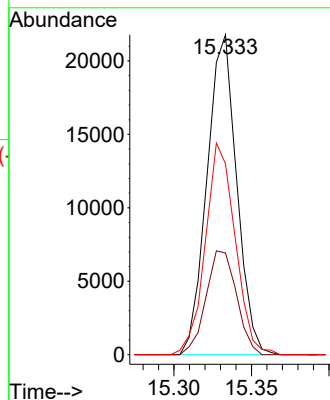
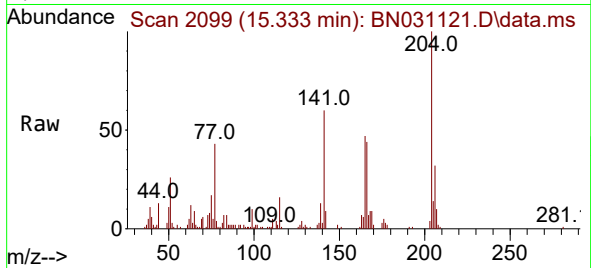




#62
4-Chlorophenyl-phenylether
Concen: 2.305 ng/ul
RT: 15.333 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

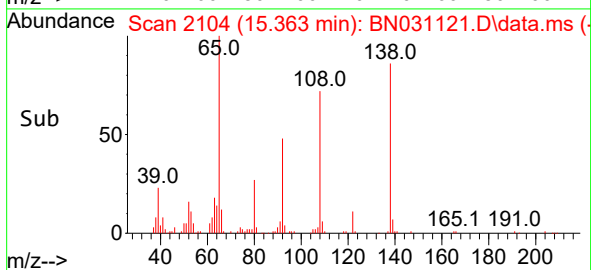
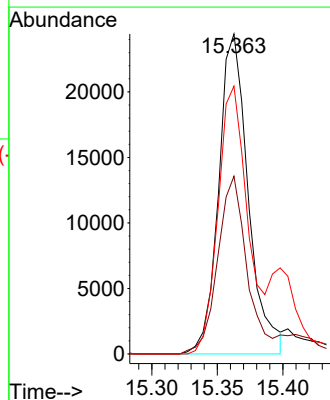
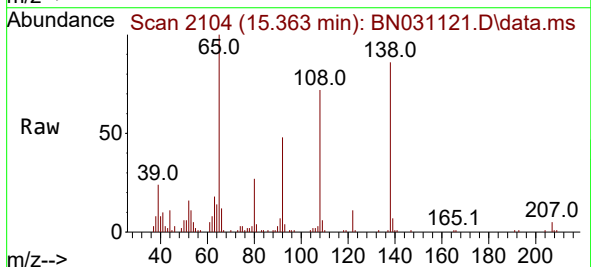
Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

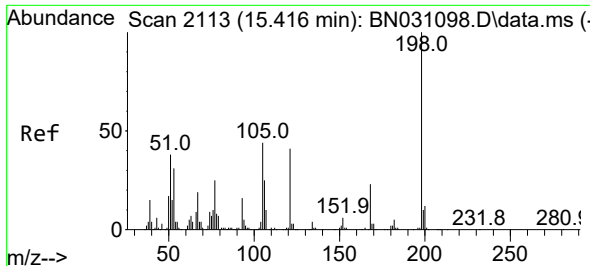
Tgt Ion:204 Resp: 29086
Ion Ratio Lower Upper
204 100
206 31.8 26.4 39.6
141 59.7 50.7 76.1



#63
4-Nitroaniline
Concen: 6.013 ng/ul
RT: 15.363 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion:138 Resp: 38241
Ion Ratio Lower Upper
138 100
92 55.6 38.4 57.6
108 83.7 63.8 95.8

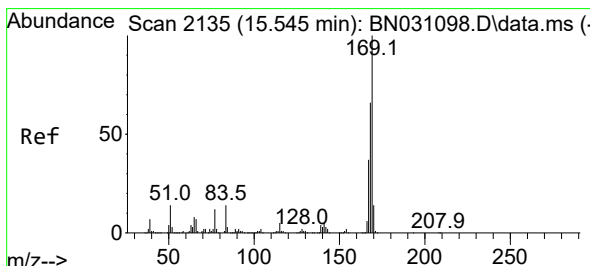
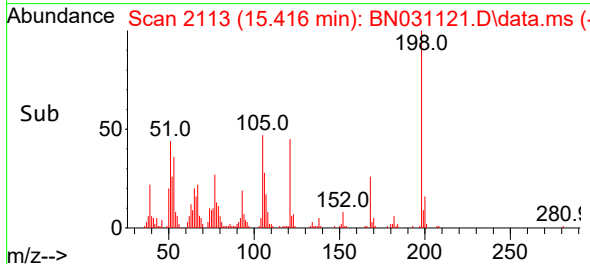
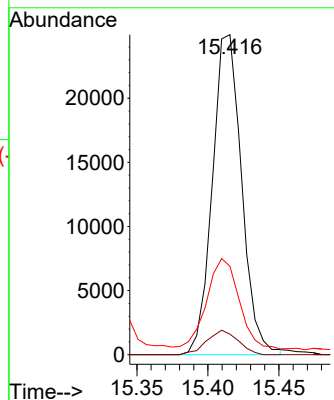
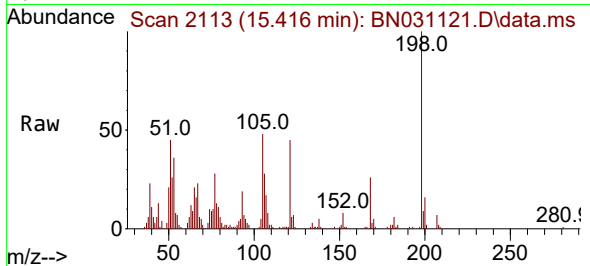




#66
 4,6-Dinitro-2-methylphenol
 Concen: 7.786 ng/ul
 RT: 15.416 min Scan# 2113
 Delta R.T. -0.000 min
 Lab File: BN031121.D
 Acq: 22 Apr 2024 14:13

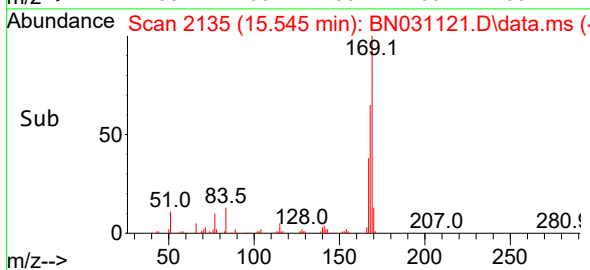
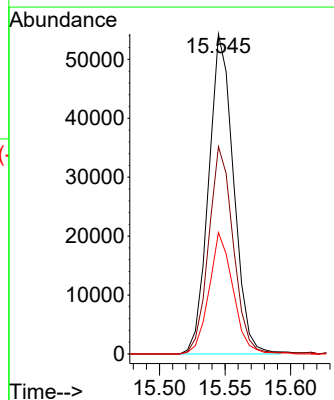
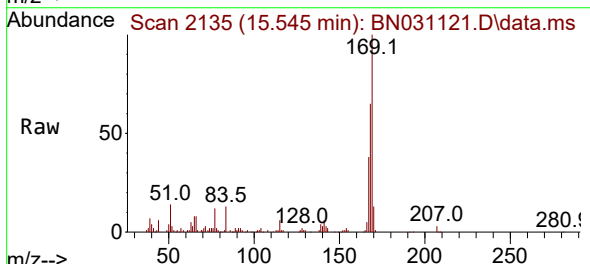
Instrument :
 BNA_N
 ClientSampleId :
 EZZZ9MSD

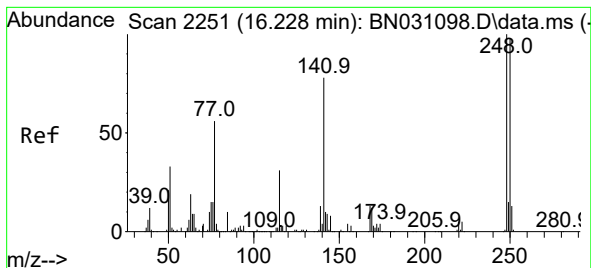
Tgt Ion:198 Resp: 35747
 Ion Ratio Lower Upper
 198 100
 182 6.4 4.0 6.0#
 77 27.6 22.2 33.4



#67
 N-Nitrosodiphenylamine
 Concen: 3.163 ng/ul
 RT: 15.545 min Scan# 2135
 Delta R.T. -0.006 min
 Lab File: BN031121.D
 Acq: 22 Apr 2024 14:13

Tgt Ion:169 Resp: 71849
 Ion Ratio Lower Upper
 169 100
 168 64.8 52.6 79.0
 167 38.0 27.8 41.6

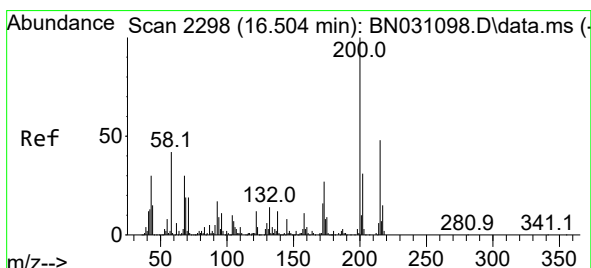
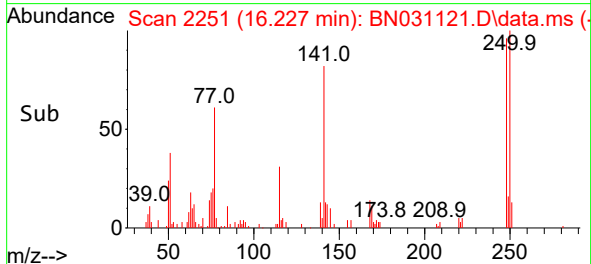
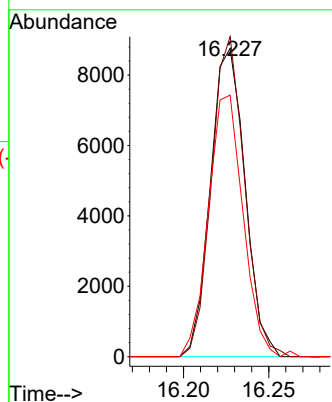
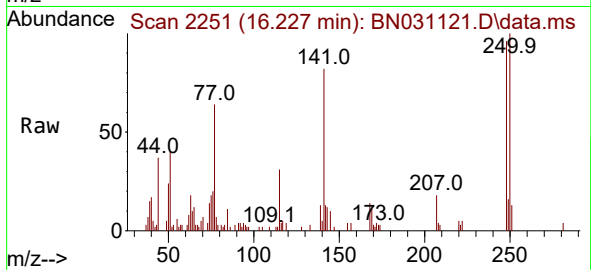




#68
4-Bromophenyl-phenylether
Concen: 1.542 ng/ul
RT: 16.227 min Scan# 211
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

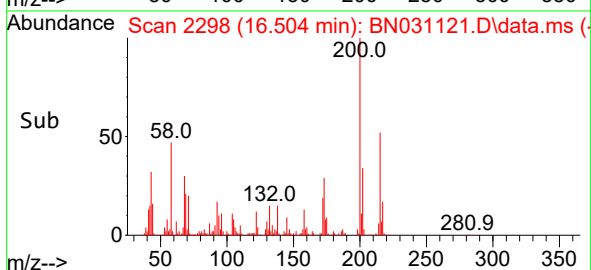
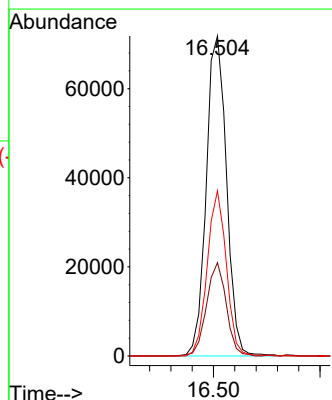
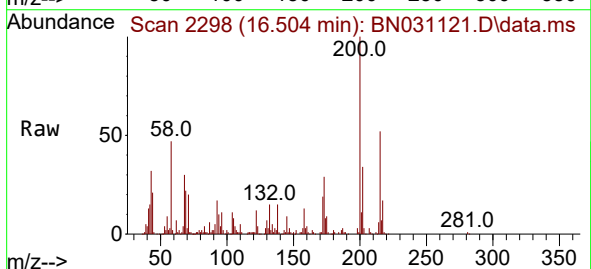
Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

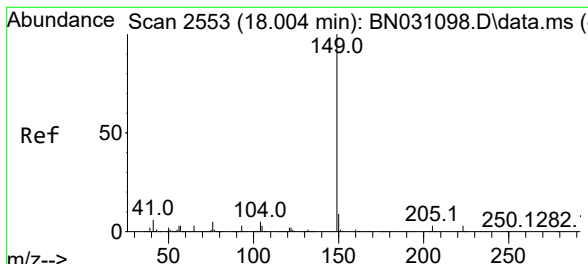
Tgt Ion:248 Resp: 12360
Ion Ratio Lower Upper
248 100
250 103.8 78.2 117.2
141 84.8 71.4 107.0



#70
Atrazine
Concen: 11.916 ng/ul
RT: 16.504 min Scan# 2298
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion:200 Resp: 95028
Ion Ratio Lower Upper
200 100
173 29.2 20.6 31.0
215 51.6 37.6 56.4

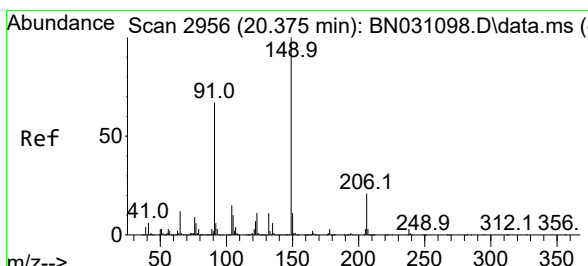
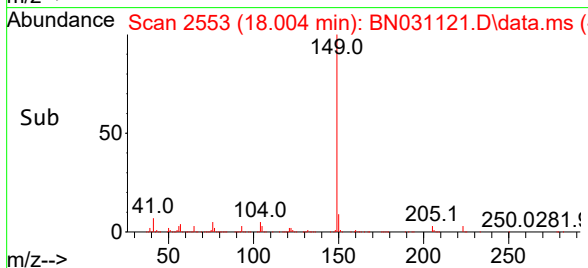
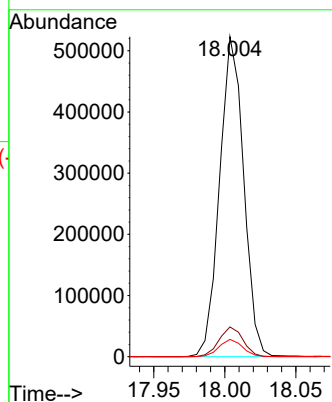
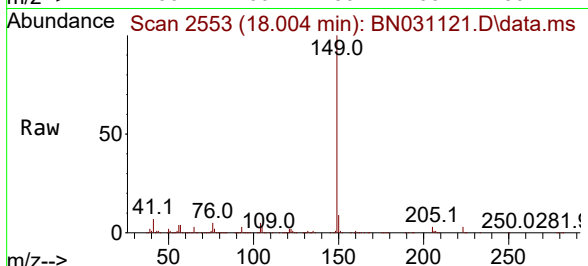




#78
Di-n-butylphthalate
Concen: 12.196 ng/ul
RT: 18.004 min Scan# 2553
Delta R.T. -0.006 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

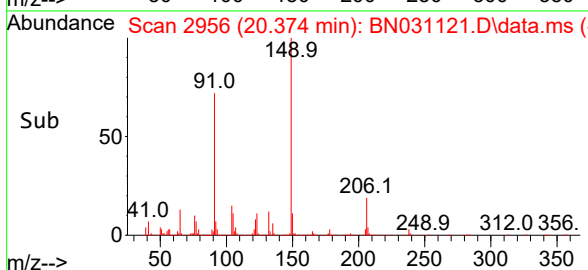
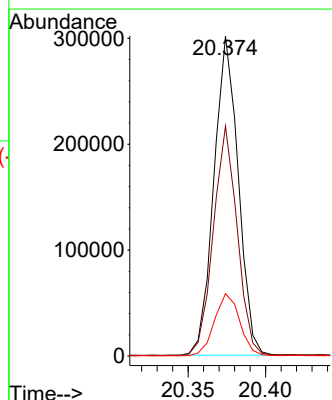
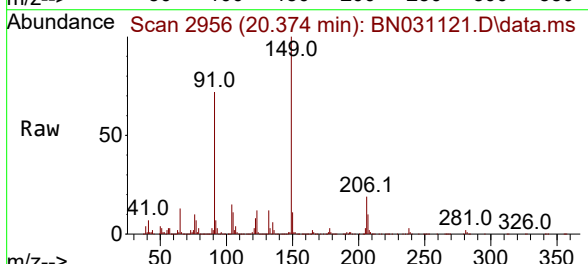
Instrument :
BNA_N
ClientSampleId :
EZZZ9MSD

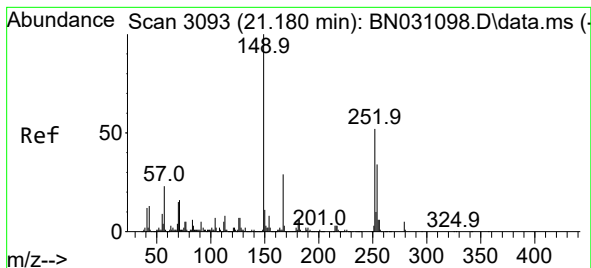
Tgt Ion:149 Resp: 615980
Ion Ratio Lower Upper
149 100
150 9.3 7.1 10.7
104 5.4 3.9 5.9



#83
Butylbenzylphthalate
Concen: 12.723 ng/ul
RT: 20.374 min Scan# 2956
Delta R.T. -0.000 min
Lab File: BN031121.D
Acq: 22 Apr 2024 14:13

Tgt Ion:149 Resp: 328879
Ion Ratio Lower Upper
149 100
91 71.8 57.3 85.9
206 19.4 16.2 24.4





#84

3,3'-Dichlorobenzidine

Concen: 2.465 ng/ul

RT: 21.186 min Scan# 3093

Delta R.T. -0.000 min

Lab File: BN031121.D

Acq: 22 Apr 2024 14:13

Instrument :

BNA_N

ClientSampleId :

EZZZ9MSD

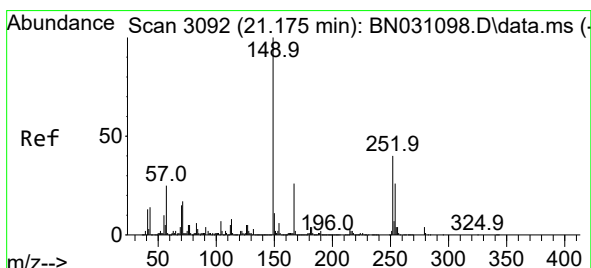
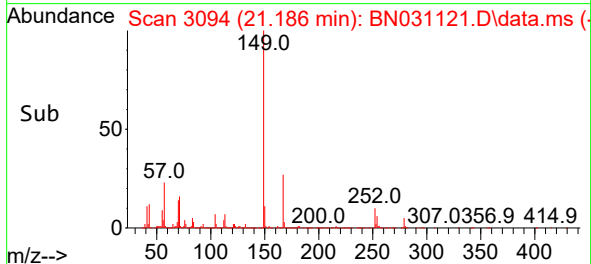
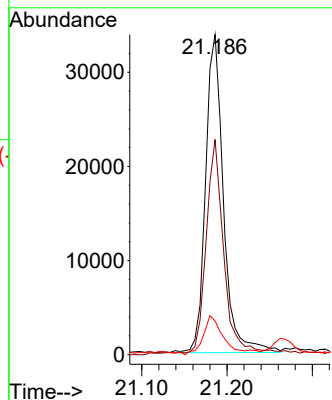
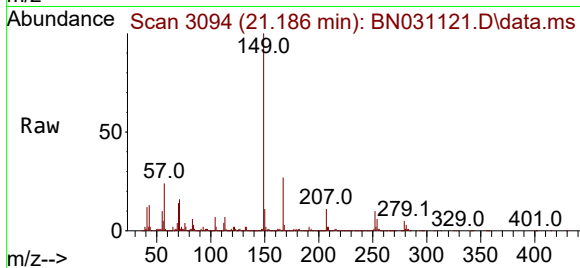
Tgt Ion:252 Resp: 49242

Ion Ratio Lower Upper

252 100

254 67.2 54.5 81.7

126 10.6 9.8 14.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 13.230 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.000 min

Lab File: BN031121.D

Acq: 22 Apr 2024 14:13

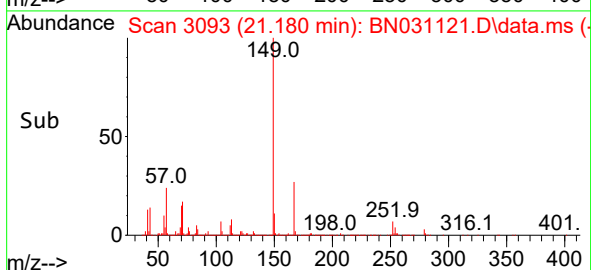
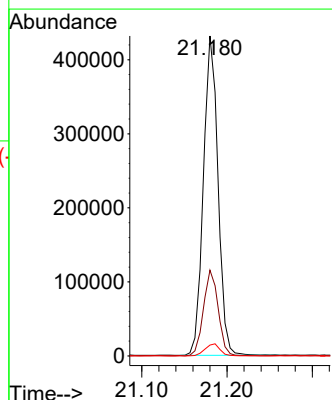
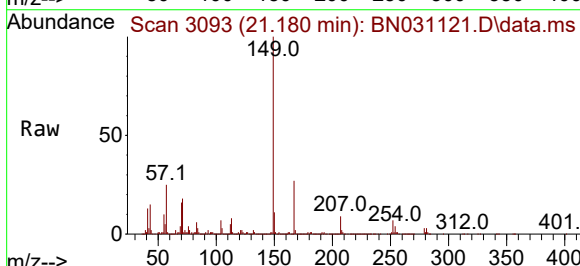
Tgt Ion:149 Resp: 513463

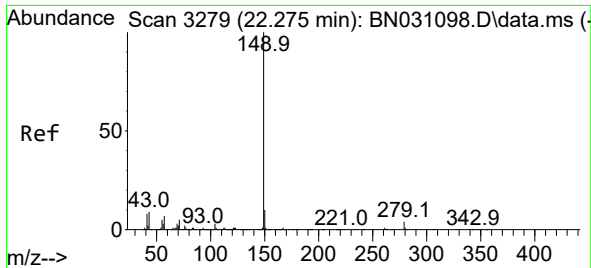
Ion Ratio Lower Upper

149 100

167 26.8 22.3 33.5

279 3.4 3.0 4.6





#89

Di-n-octyl phthalate

Concen: 13.705 ng/ul

RT: 22.280 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN031121.D

Acq: 22 Apr 2024 14:13

Instrument :

BNA_N

ClientSampleId :

EZZZ9MSD

Tgt Ion:149 Resp: 903270

