

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134664.D
 Acq On : 08 Aug 2023 11:03
 Operator : CG\JU
 Sample : 03881-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-1

Quant Time: Aug 09 02:16:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

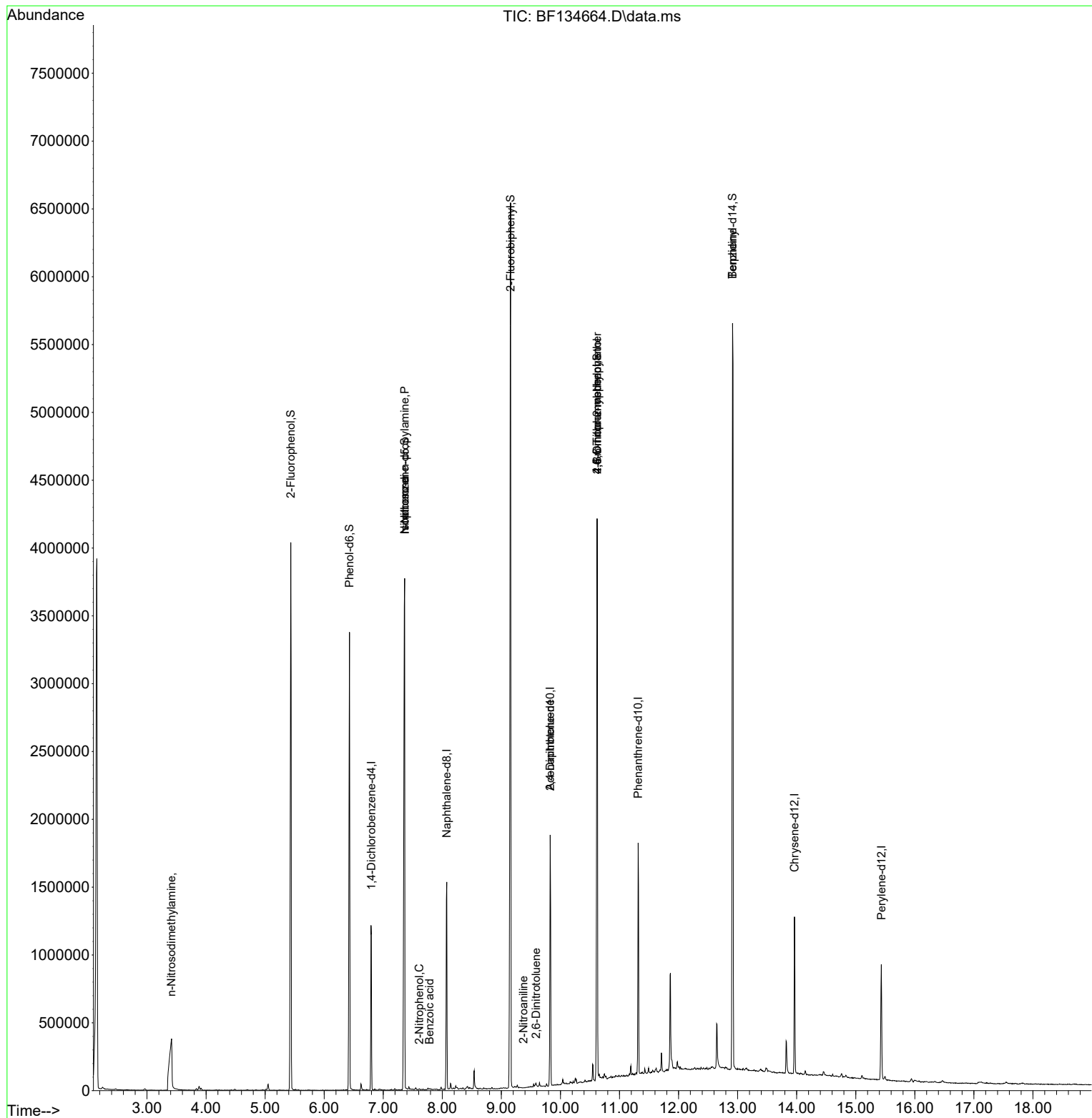
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	178552	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	722629	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	364495	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	615117	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	372887	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	374764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1165103	99.191	ng	0.00
7) Phenol-d6	6.428	99	1180801	78.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	1513598	130.895	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	656611	176.714	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	2436158	111.129	ng	0.00
79) Terphenyl-d14	12.916	244	2373202	112.196	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.410	42	24820	3.547	ng	# 1
9) Benzaldehyde	6.351	77	387	Below Cal		# 67
19) n-Nitroso-di-n-propyla...	7.363	70	207692	23.103	ng	# 70
25) Isophorone	7.363	82	1490336	59.091	ng	# 65
26) 2-Nitrophenol	7.610	139	61	4.803	ng	# 29
32) Benzoic acid	7.787	122	412	7.914	ng	# 69
48) 2-Nitroaniline	9.375	65	234	3.199	ng	# 8
51) 2,6-Dinitrotoluene	9.586	165	2780	3.013	ng	# 27
57) 2,4-Dinitrotoluene	9.828	165	47680	10.146	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	1959	9.344	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	40287	5.983	ng	# 1
77) Benzidine	12.916	184	28241	3.489	ng	# 90

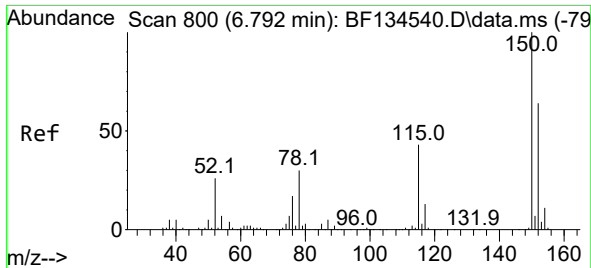
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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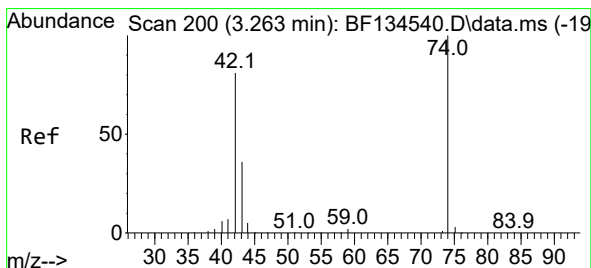
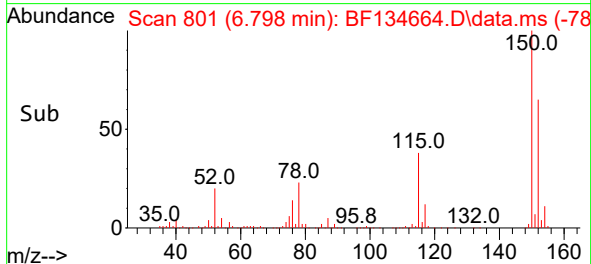
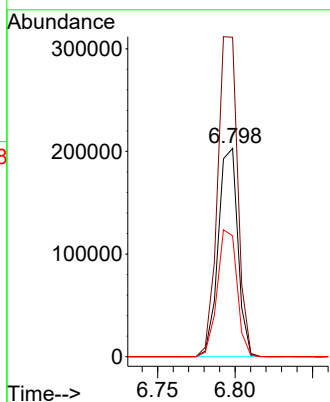
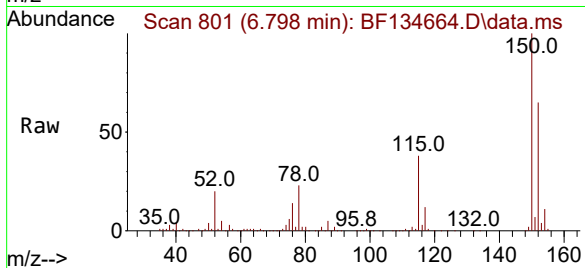




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

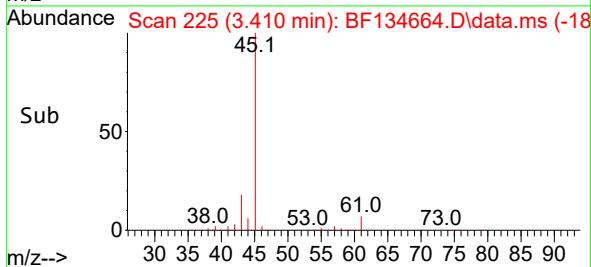
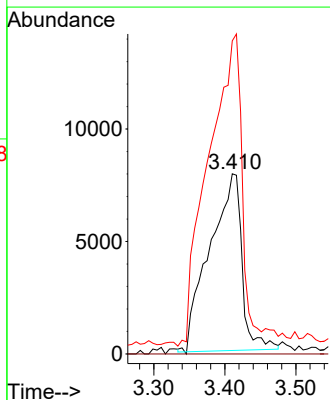
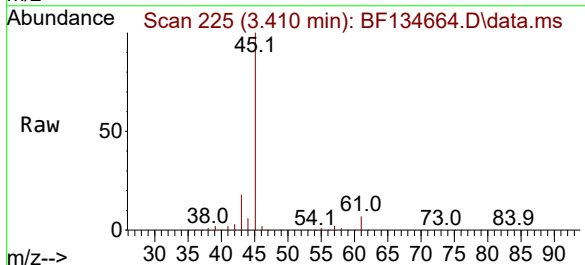
Instrument :
BNA_F
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MH-1

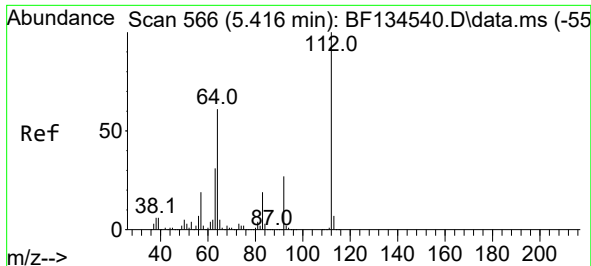
Tgt Ion:152 Resp: 178552
Ion Ratio Lower Upper
152 100
150 153.3 128.3 192.5
115 58.0 52.4 78.6



#4
n-Nitrosodimethylamine
Concen: 3.547 ng
RT: 3.410 min Scan# 225
Delta R.T. 0.130 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

Tgt Ion: 42 Resp: 24820
Ion Ratio Lower Upper
42 100
74 0.0 72.2 108.4#
44 173.8 5.4 8.0#

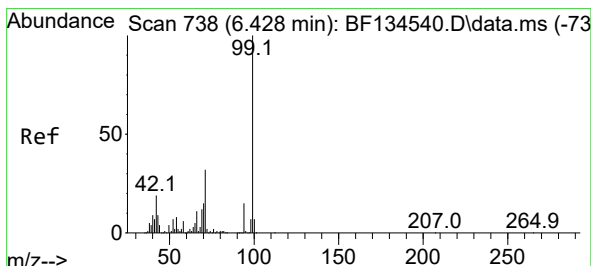
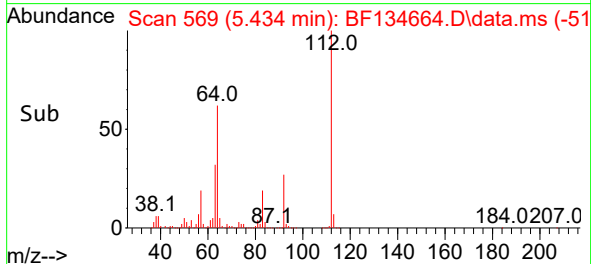
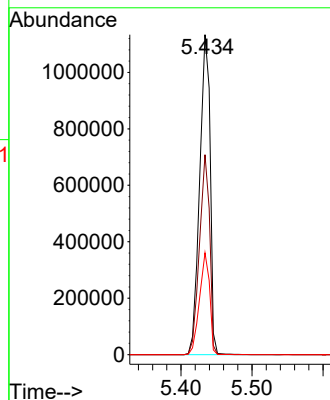
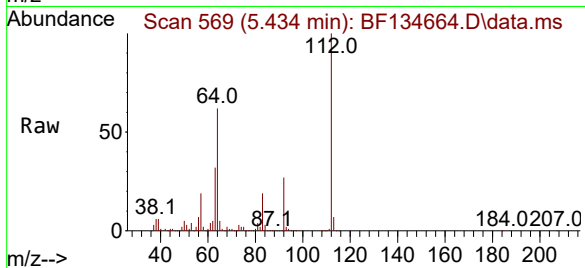




#5
2-Fluorophenol
Concen: 99.191 ng
RT: 5.434 min Scan# 509
Delta R.T. 0.006 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

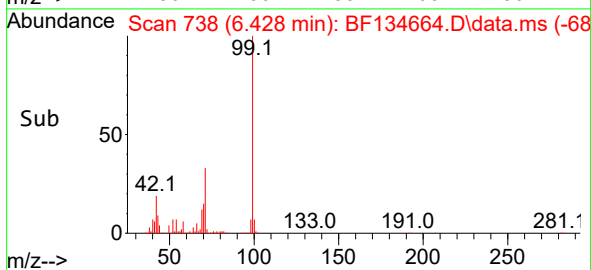
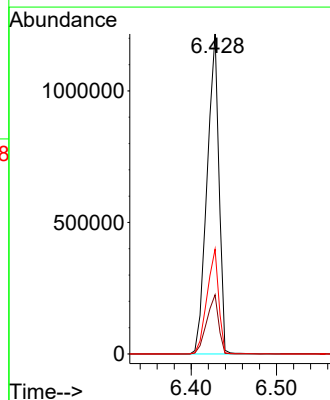
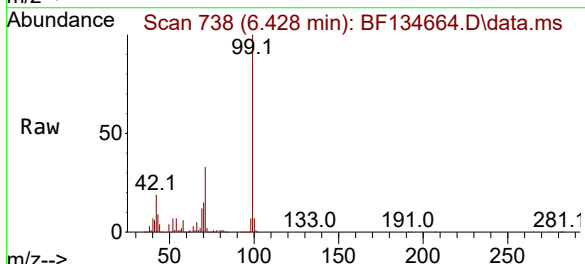
Instrument :
BNA_F
ClientSampleId :
MH-1

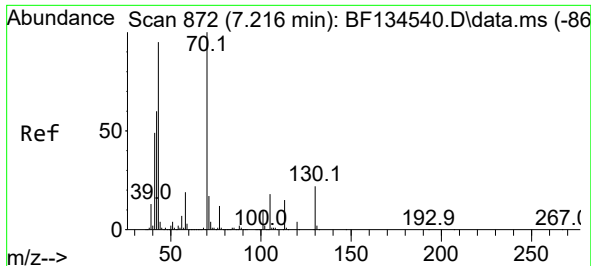
Tgt Ion:112 Resp: 1165103
Ion Ratio Lower Upper
112 100
64 62.5 44.9 67.3
63 31.8 25.4 38.0



#7
Phenol-d6
Concen: 78.641 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

Tgt Ion: 99 Resp: 1180801
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1#
71 32.7 36.4 54.6#

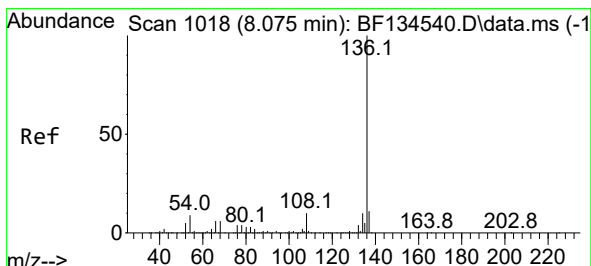
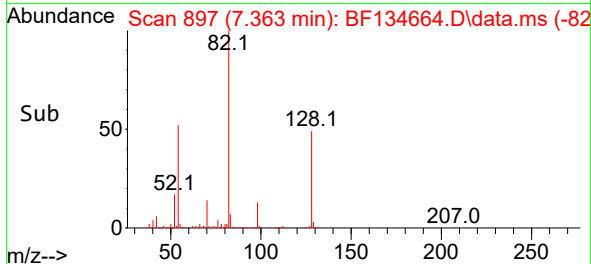
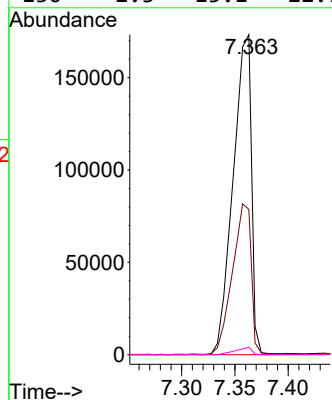
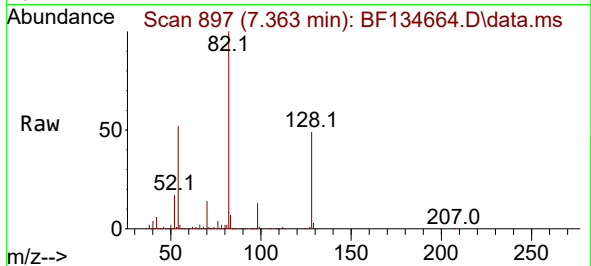




#19
n-Nitroso-di-n-propylamine
Concen: 23.103 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

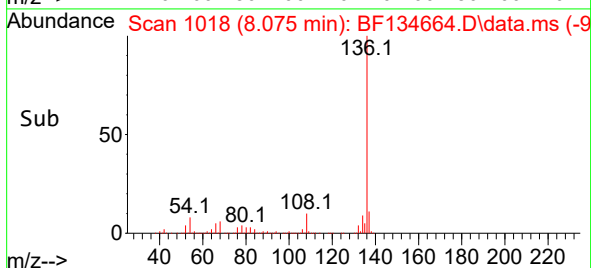
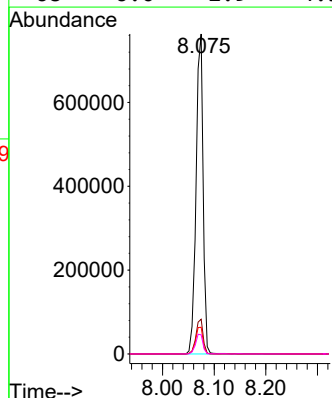
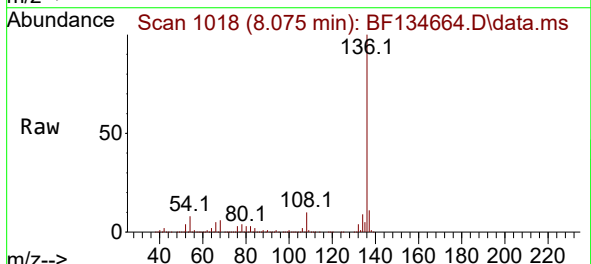
Instrument :
BNA_F
ClientSampleId :
MH-1

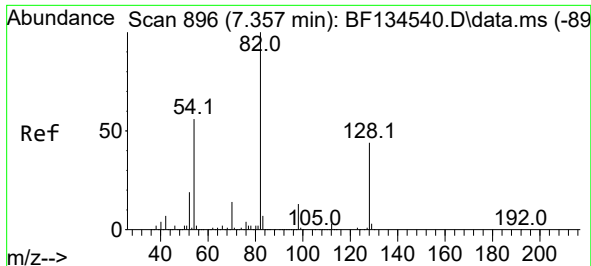
Tgt Ion: 70 Resp: 207692
Ion Ratio Lower Upper
70 100
42 45.4 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

Tgt Ion: 136 Resp: 722629
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.3 5.2 7.8#
68 6.0 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 130.895 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

MH-1

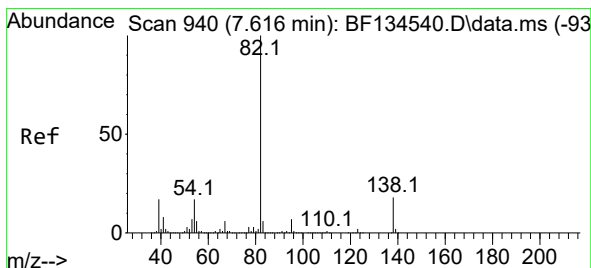
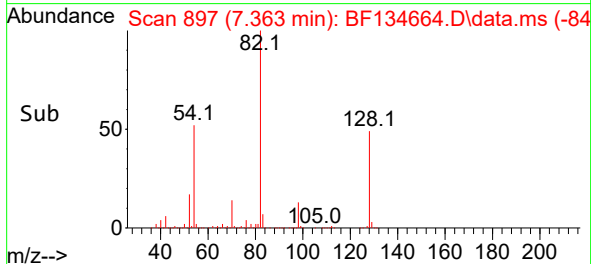
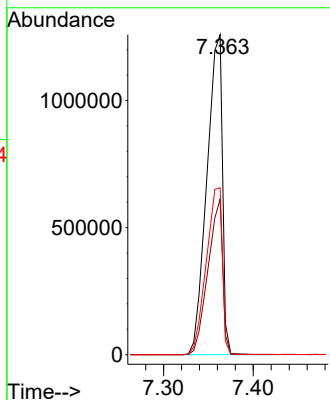
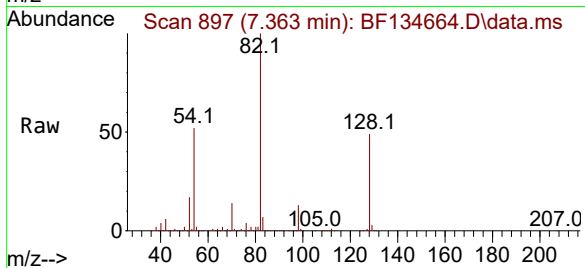
Tgt Ion: 82 Resp: 1513598

Ion Ratio Lower Upper

82 100

128 48.6 34.3 51.5

54 52.2 43.8 65.6



#25

Isophorone

Concen: 59.091 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.265 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

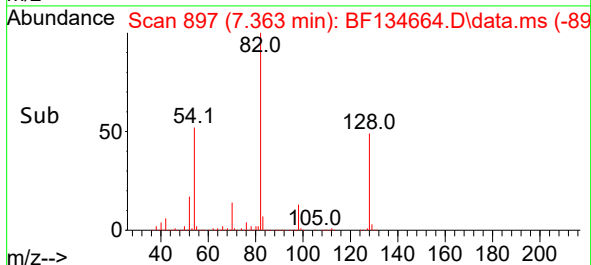
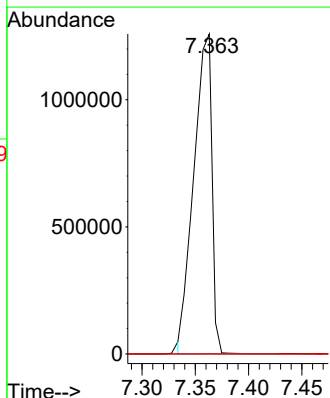
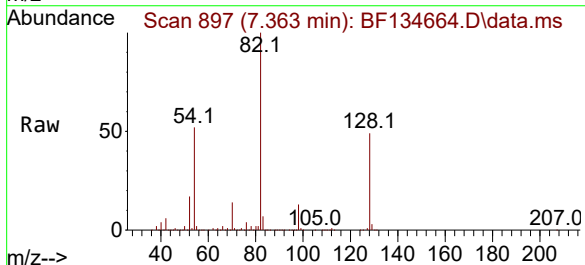
Tgt Ion: 82 Resp: 1490336

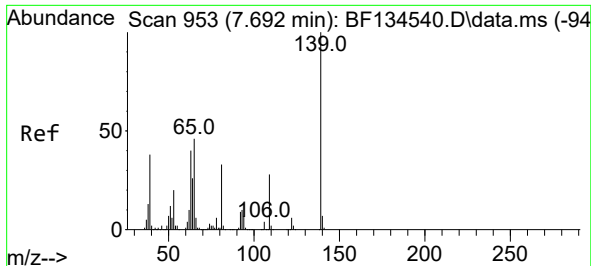
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.6 22.0#

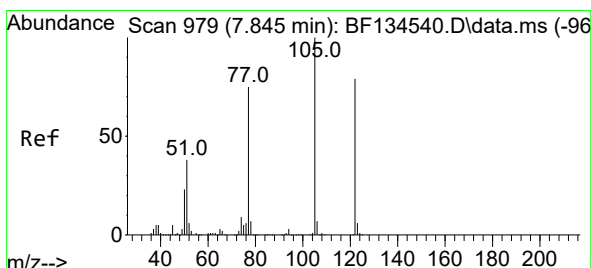
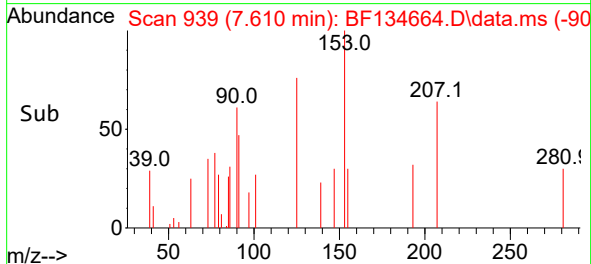
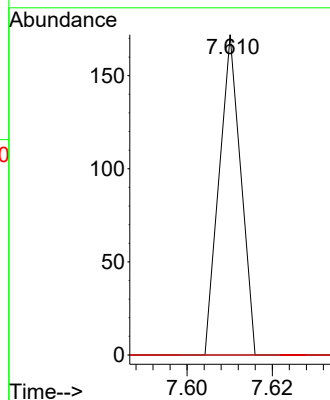
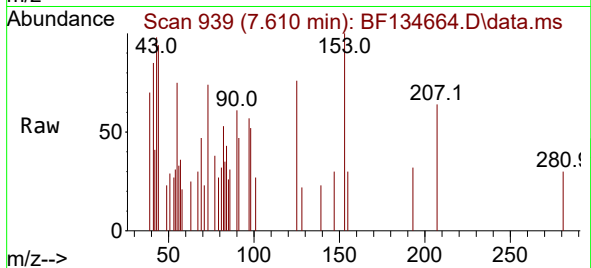




#26
2-Nitrophenol
Concen: 4.803 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.088 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

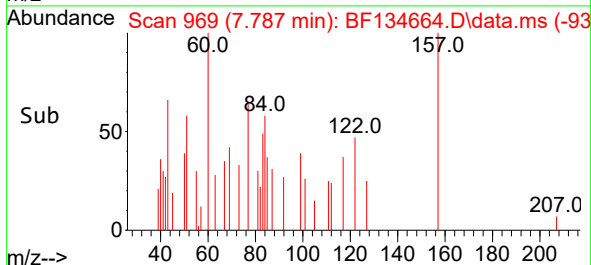
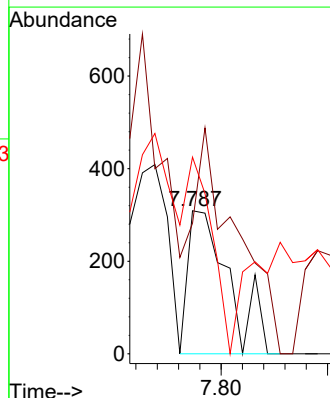
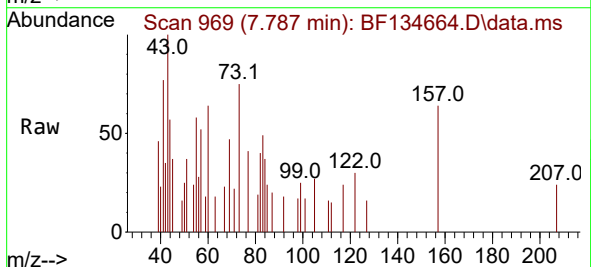
Instrument :
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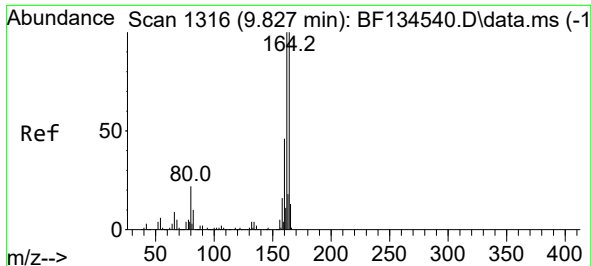
Tgt Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 0.0 29.8 44.6#
65 0.0 45.4 68.2#



#32
Benzoic acid
Concen: 7.914 ng
RT: 7.787 min Scan# 969
Delta R.T. -0.076 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

Tgt Ion:122 Resp: 412
Ion Ratio Lower Upper
122 100
105 91.3 87.5 127.5
77 137.5 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

MH-1

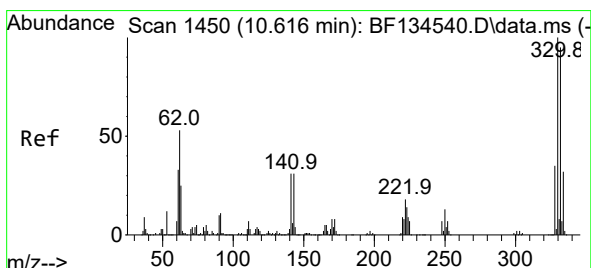
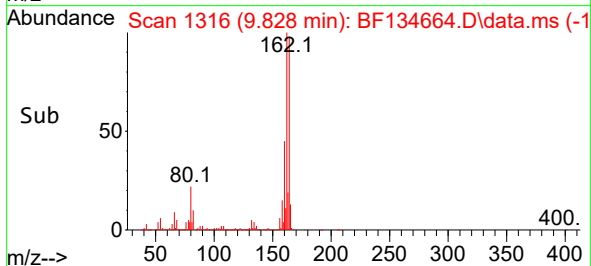
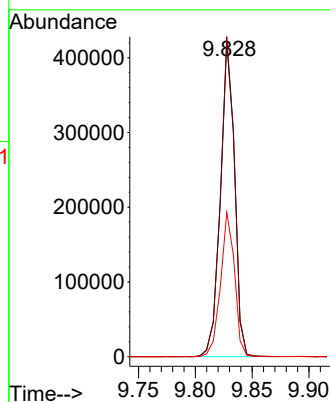
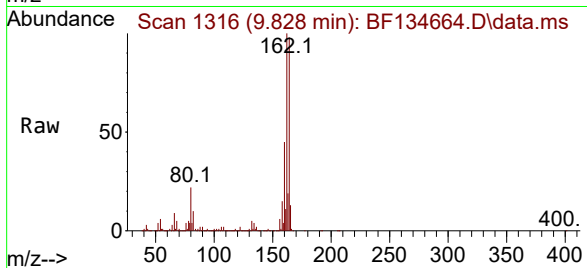
Tgt Ion:164 Resp: 364495

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

160 45.8 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 176.714 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

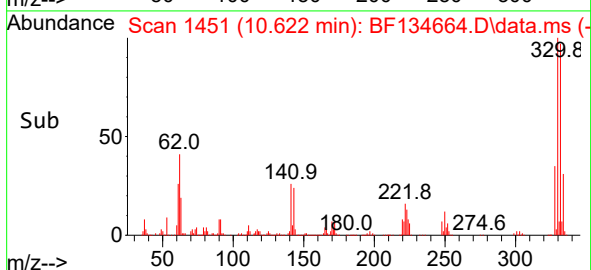
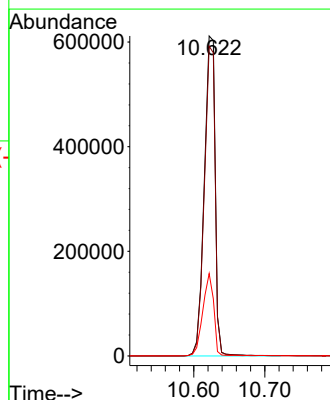
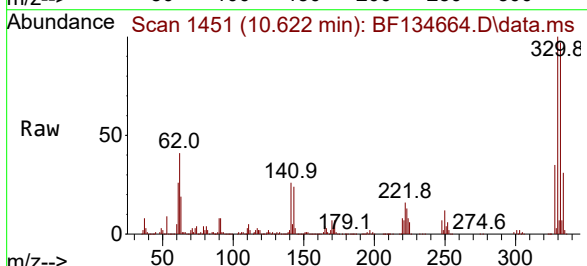
Tgt Ion:330 Resp: 656611

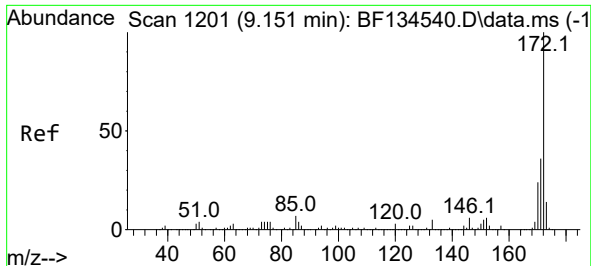
Ion Ratio Lower Upper

330 100

332 96.4 78.8 118.2

141 25.7 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 111.129 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

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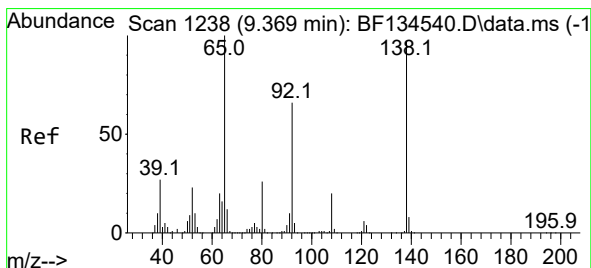
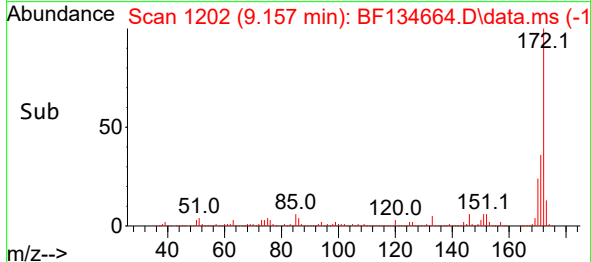
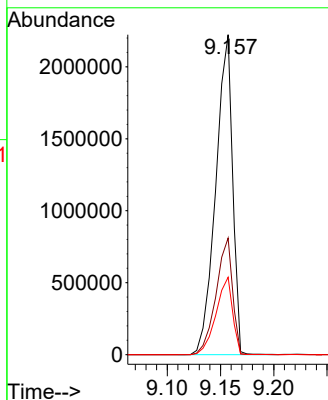
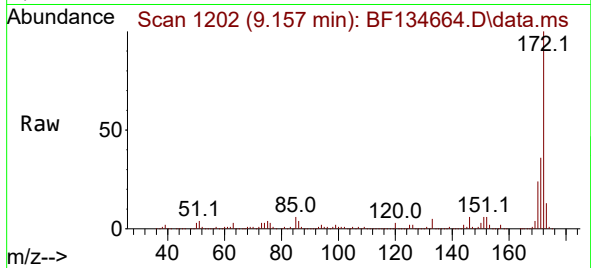
Tgt Ion:172 Resp: 2436158

Ion Ratio Lower Upper

172 100

171 36.4 28.8 43.2

170 24.2 18.7 28.1



#48

2-Nitroaniline

Concen: 3.199 ng

RT: 9.375 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

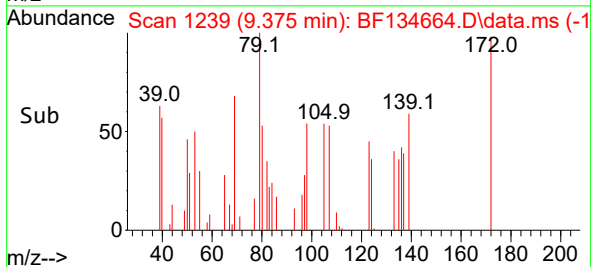
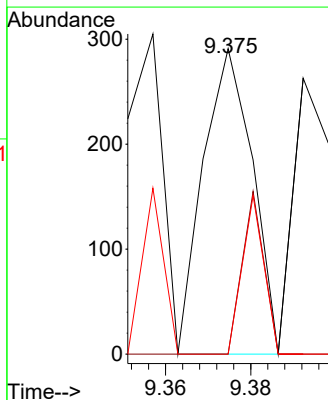
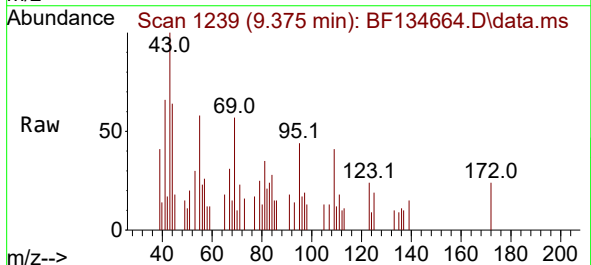
Tgt Ion: 65 Resp: 234

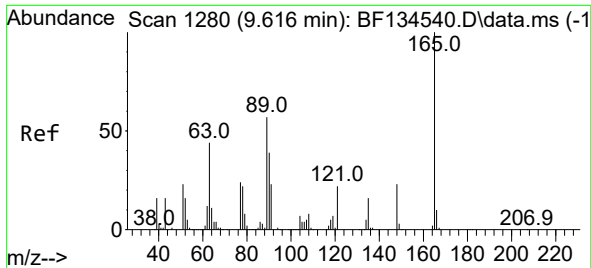
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

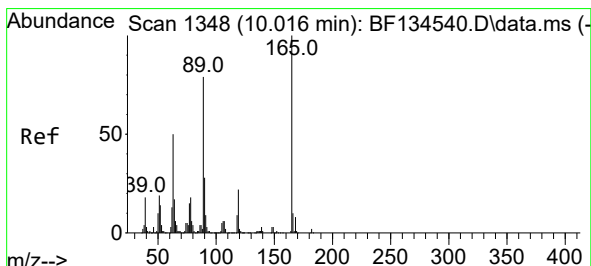
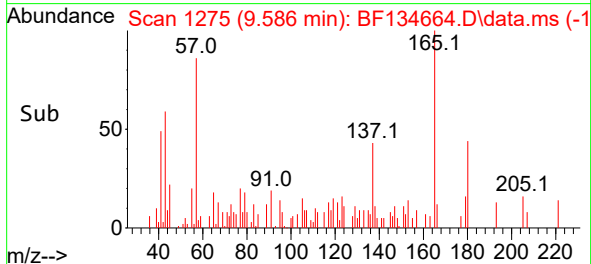
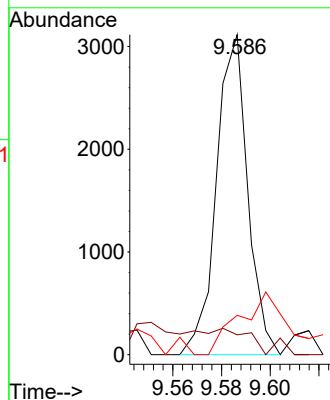
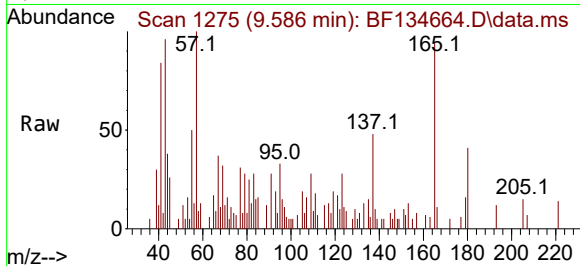




#51
2,6-Dinitrotoluene
Concen: 3.013 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

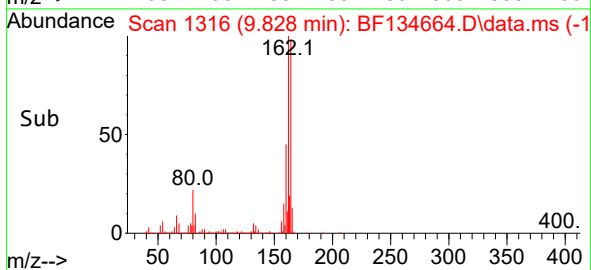
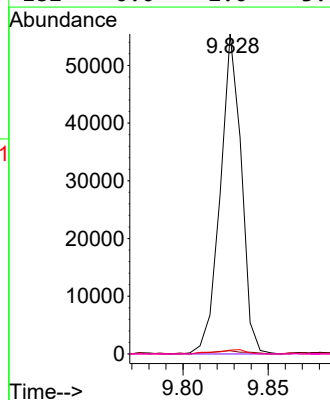
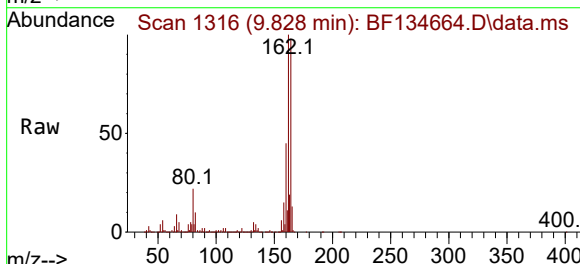
Instrument :
BNA_F
ClientSampleId :
MH-1

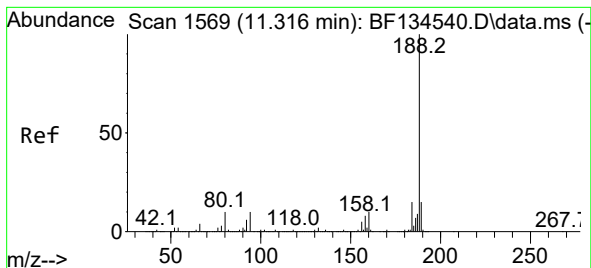
Tgt Ion:165 Resp: 2780
Ion Ratio Lower Upper
165 100
63 6.2 57.8 86.6#
89 12.3 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.146 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

Tgt Ion:165 Resp: 47680
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

Instrument :

BNA_F

ClientSampleId :

MH-1

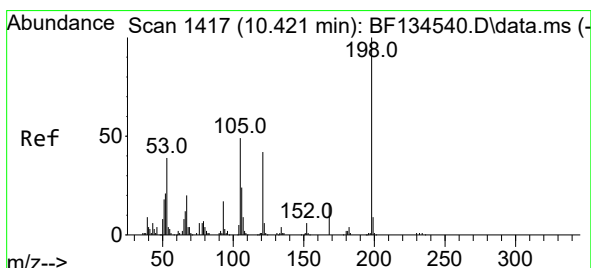
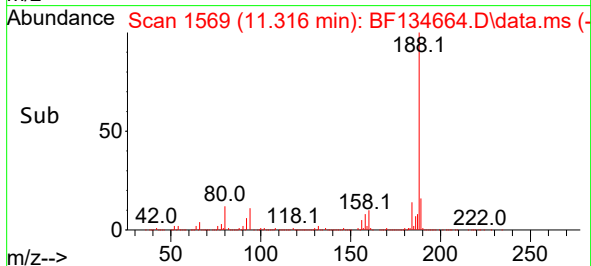
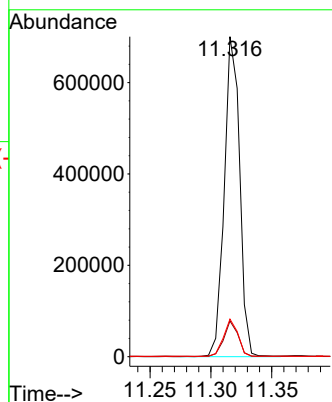
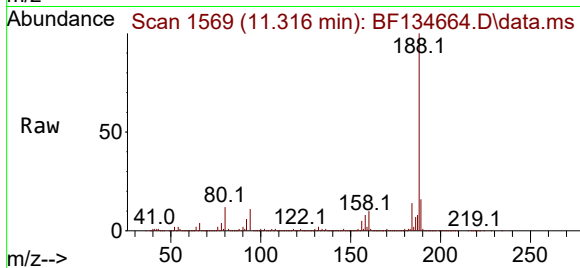
Tgt Ion:188 Resp: 615117

Ion Ratio Lower Upper

188 100

94 11.1 5.1 7.7#

80 11.8 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 9.344 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.182 min

Lab File: BF134664.D

Acq: 08 Aug 2023 11:03

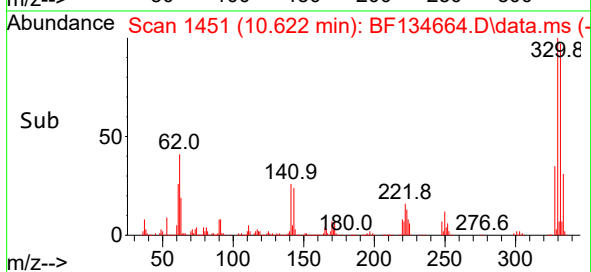
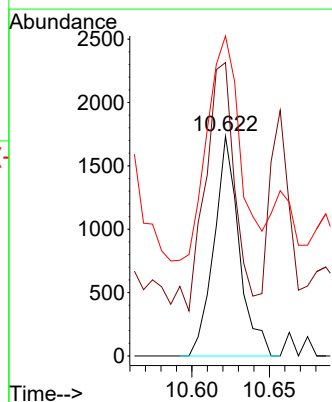
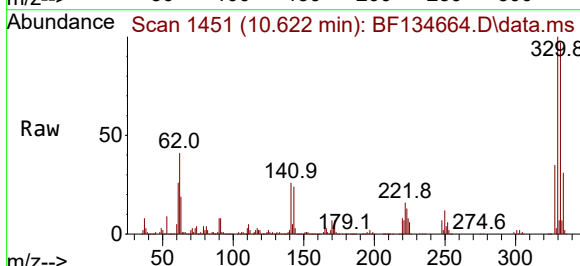
Tgt Ion:198 Resp: 1959

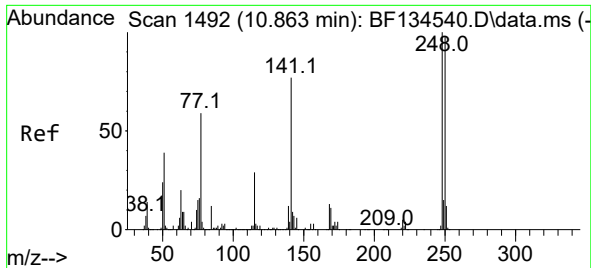
Ion Ratio Lower Upper

198 100

51 133.6 38.6 78.6#

105 145.6 27.9 67.9#

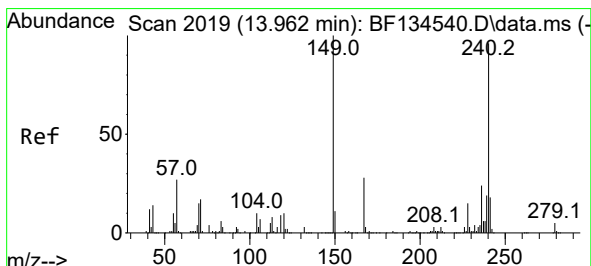
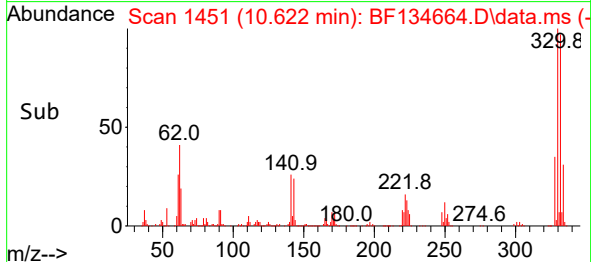
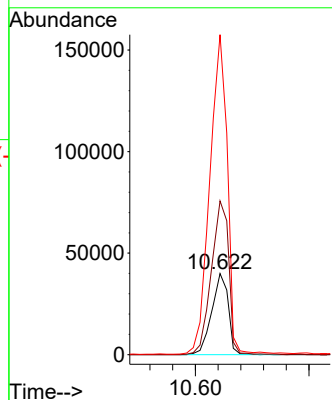
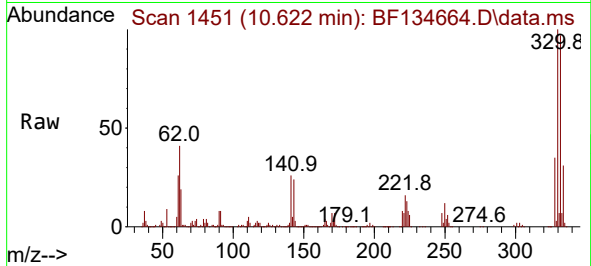




#67
4-Bromophenyl-phenylether
Concen: 5.983 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

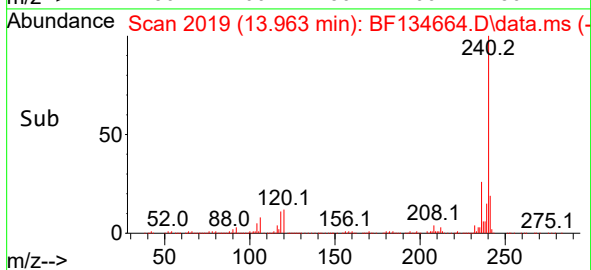
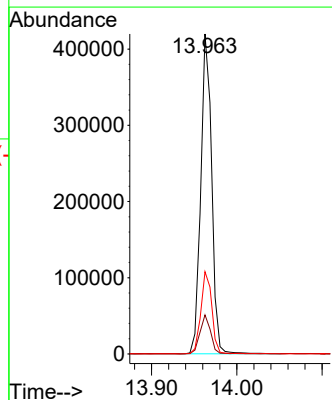
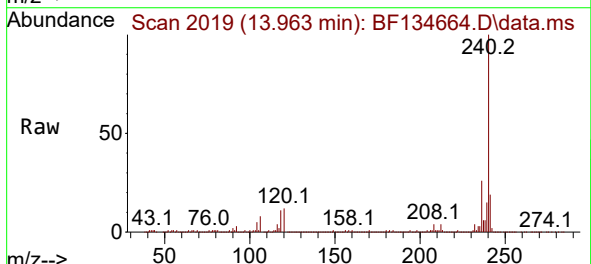
Instrument :
BNA_F
ClientSampleId :
MH-1

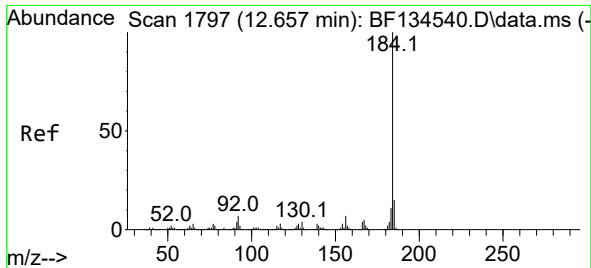
Tgt Ion:248 Resp: 40287
Ion Ratio Lower Upper
248 100
250 189.4 79.6 119.4#
141 394.2 59.6 89.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

Tgt Ion:240 Resp: 372887
Ion Ratio Lower Upper
240 100
120 12.2 6.6 10.0#
236 25.7 20.2 30.2

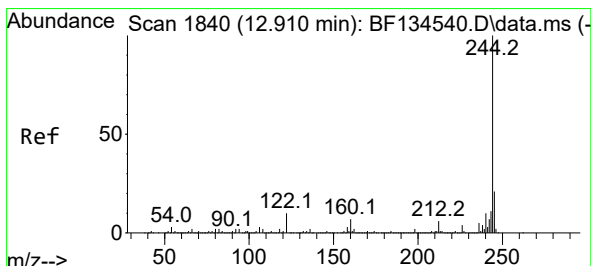
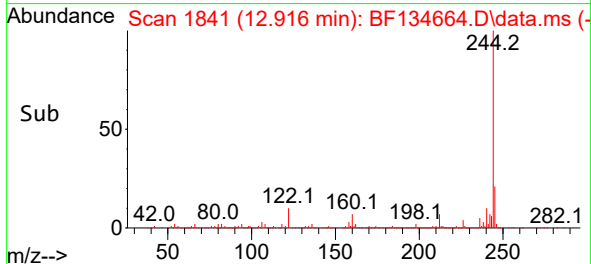
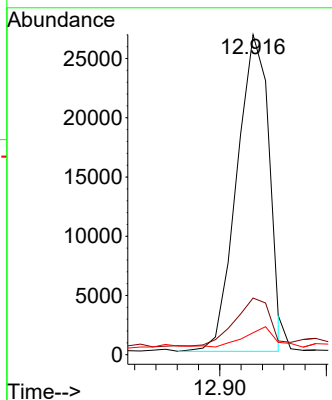
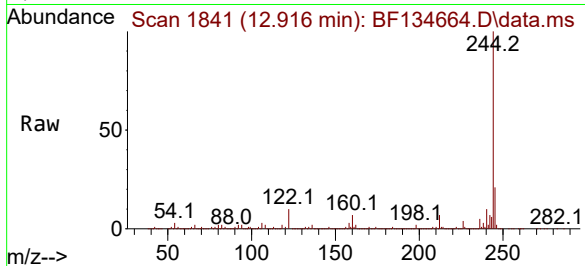




#77
Benzidine
Concen: 3.489 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.253 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

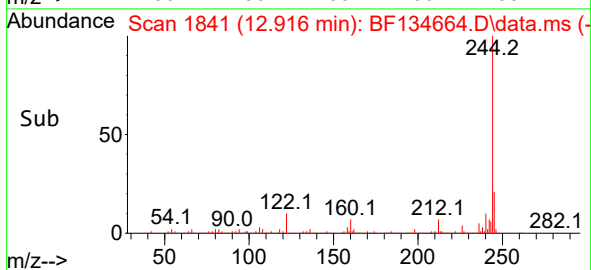
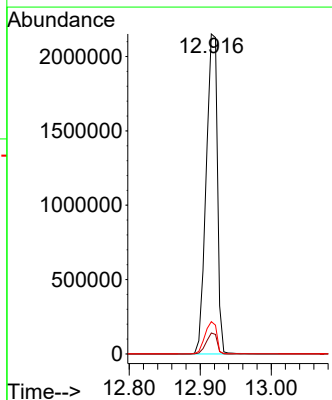
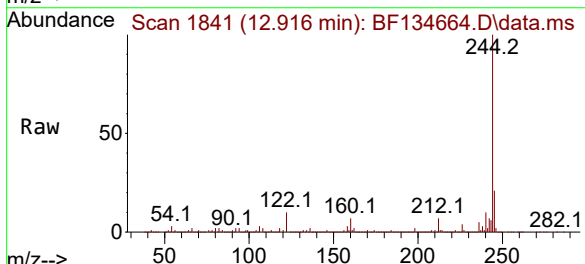
Instrument :
BNA_F
ClientSampleId :
MH-1

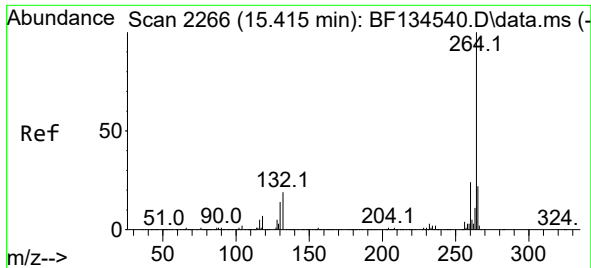
Tgt Ion:184 Resp: 28241
Ion Ratio Lower Upper
184 100
185 17.7 11.2 16.8#
183 6.8 8.6 13.0#



#79
Terphenyl-d14
Concen: 112.196 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134664.D
Acq: 08 Aug 2023 11:03

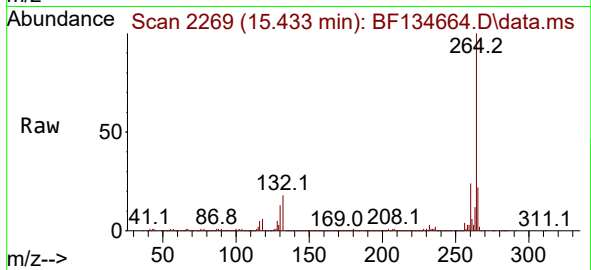
Tgt Ion:244 Resp: 2373202
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 10.1 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF134664.D
 Acq: 08 Aug 2023 11:03

Instrument :
 BNA_F
 ClientSampleId :
 MH-1



Tgt Ion:264 Resp: 374764
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.4 27.6
 265 22.2 15.8 23.8

