

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134759.D
 Acq On : 14 Aug 2023 14:58
 Operator : CG\JU
 Sample : 03975-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z96-98

Quant Time: Aug 15 00:30:52 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)

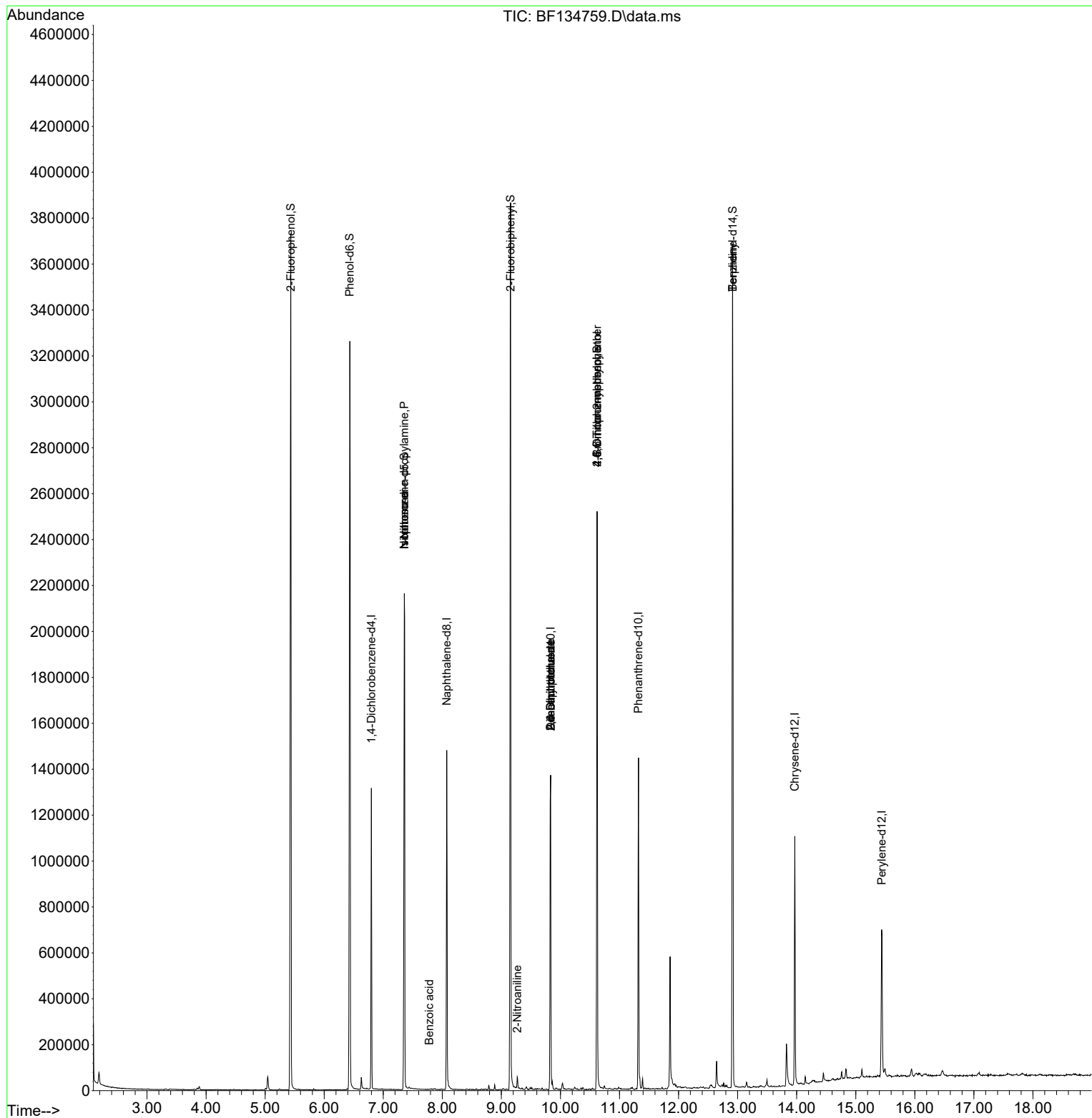
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	168159	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	626827	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	288553	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	498297	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	345780	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	326674	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1036856	93.728	ng	0.00
7) Phenol-d6	6.434	99	1285810	90.927	ng	0.00
23) Nitrobenzene-d5	7.357	82	773354	77.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	311404	105.865	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1313067	75.661	ng	0.00
79) Terphenyl-d14	12.916	244	1334611	68.042	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.434	77	2042	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.357	70	102974	12.162	ng	# 73
25) Isophorone	7.357	82	764035	34.924	ng	# 65
32) Benzoic acid	7.781	122	56	7.874	ng	# 1
48) 2-Nitroaniline	9.269	65	447	3.246	ng	# 8
50) Dimethylphthalate	9.833	163	59188	3.010	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	37344	11.281	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	37344	10.068	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	633	8.956	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	20470	3.753	ng	# 1
77) Benzidine	12.916	184	16581	2.209	ng	# 95

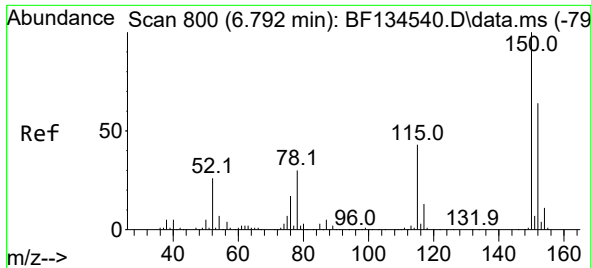
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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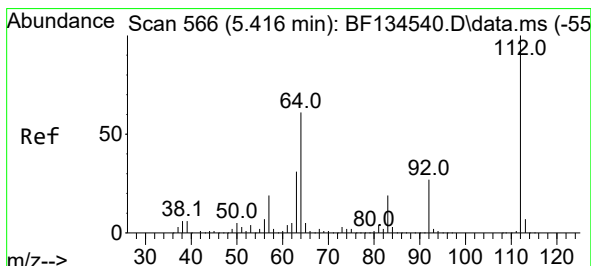
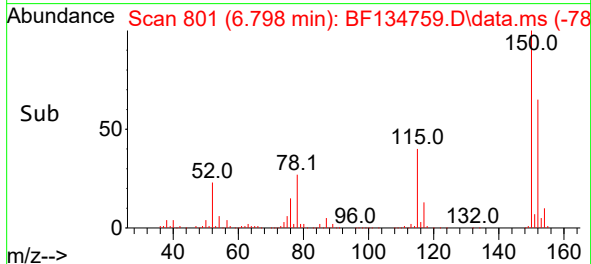
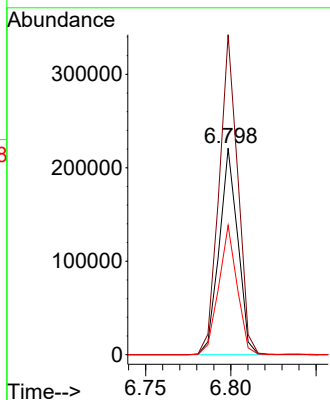
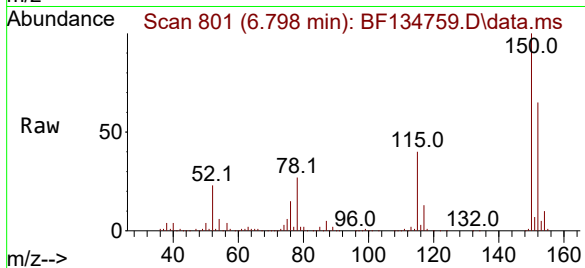




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

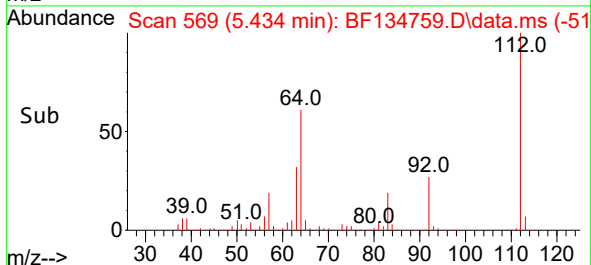
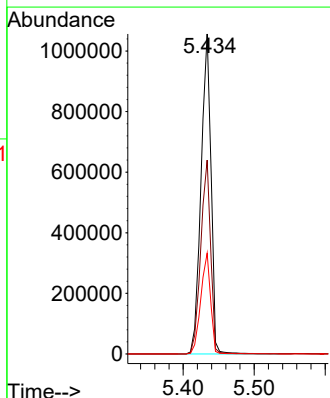
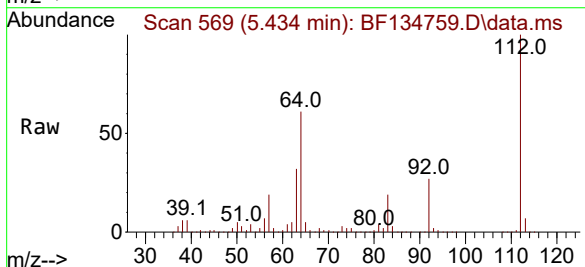
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z96-98

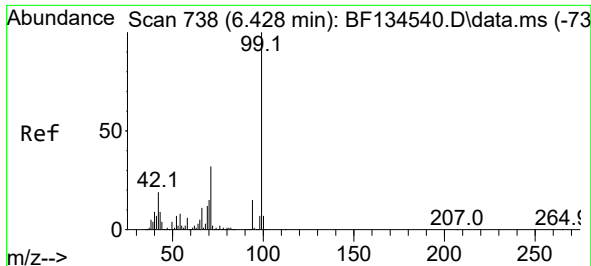
Tgt Ion:152 Resp: 168159
Ion Ratio Lower Upper
152 100
150 155.0 128.3 192.5
115 62.6 52.4 78.6



#5
2-Fluorophenol
Concen: 93.728 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

Tgt Ion:112 Resp: 1036856
Ion Ratio Lower Upper
112 100
64 60.6 44.9 67.3
63 31.5 25.4 38.0

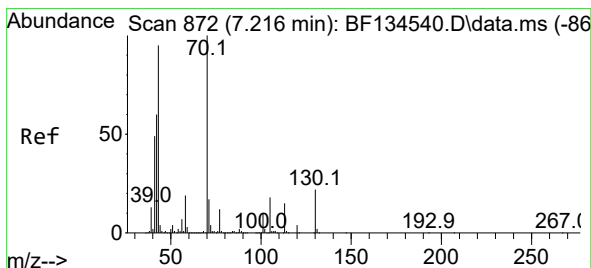
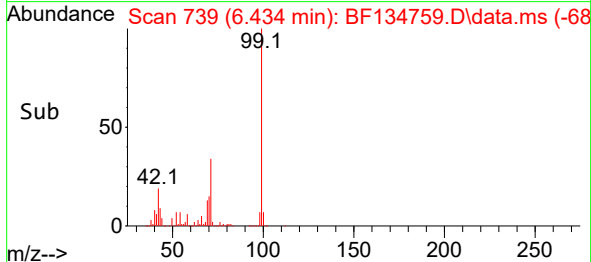
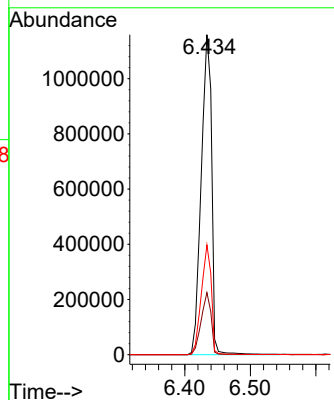
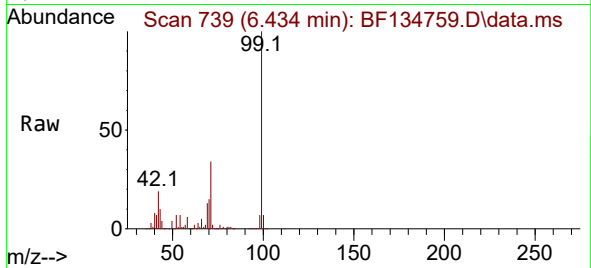




#7
Phenol-d6
Concen: 90.927 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

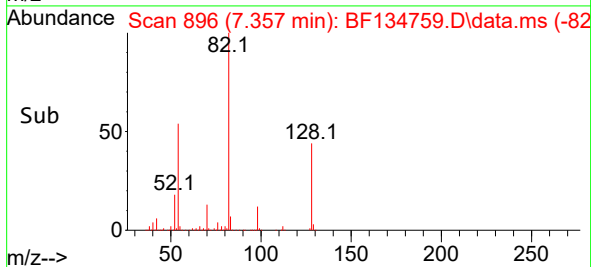
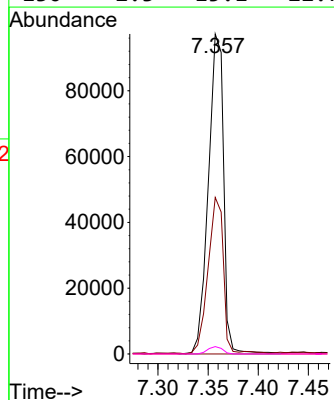
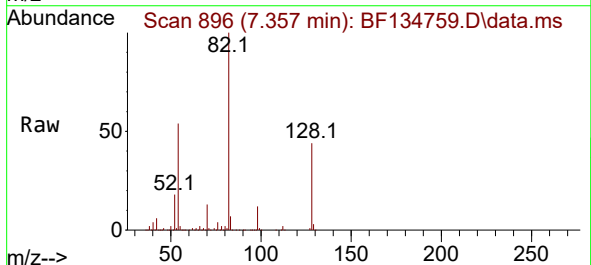
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z96-98

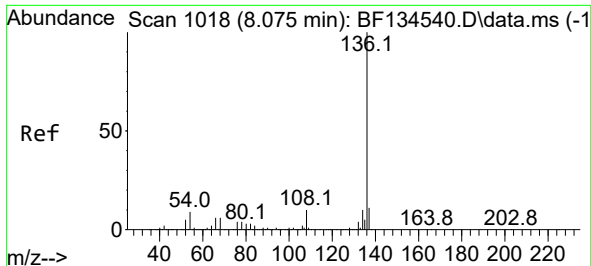
Tgt Ion: 99 Resp: 1285810
Ion Ratio Lower Upper
99 100
42 19.4 18.7 28.1
71 34.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 12.162 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

Tgt Ion: 70 Resp: 102974
Ion Ratio Lower Upper
70 100
42 48.9 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

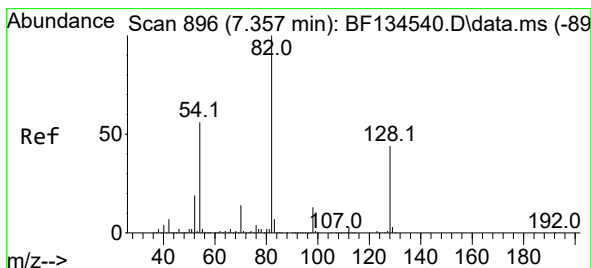
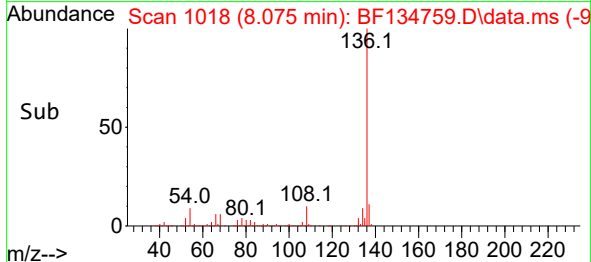
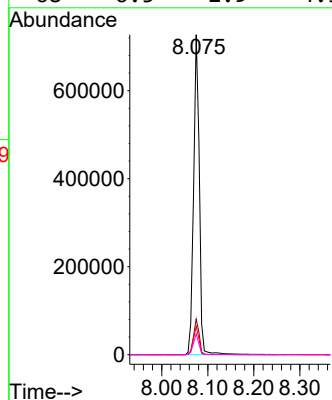
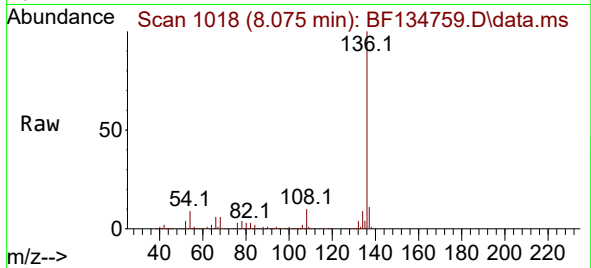




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

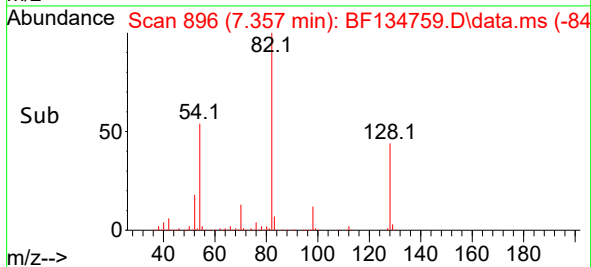
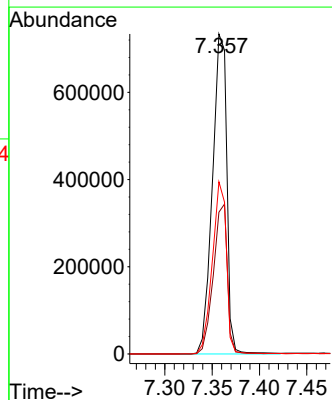
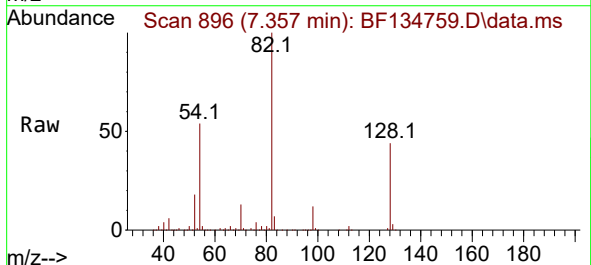
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z96-98

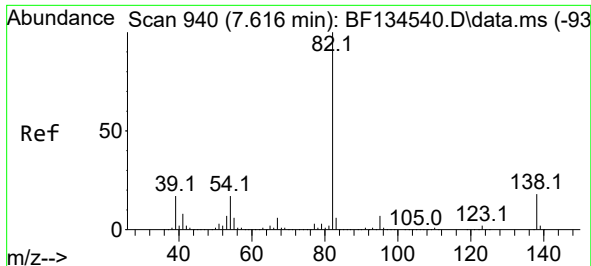
Tgt Ion:136 Resp: 626827
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.9 5.2 7.8#
68 6.5 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 77.101 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

Tgt Ion: 82 Resp: 773354
Ion Ratio Lower Upper
82 100
128 44.3 34.3 51.5
54 53.8 43.8 65.6

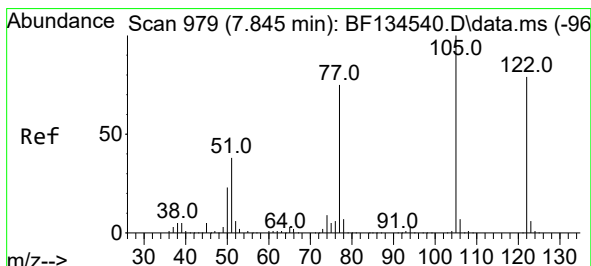
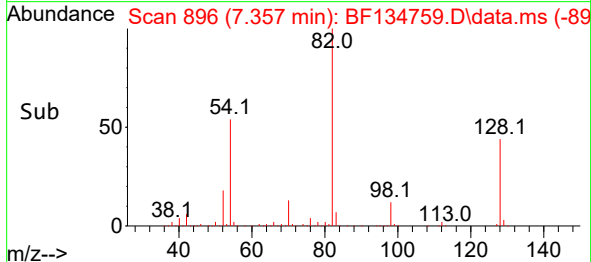
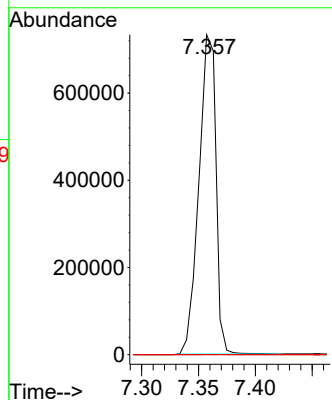
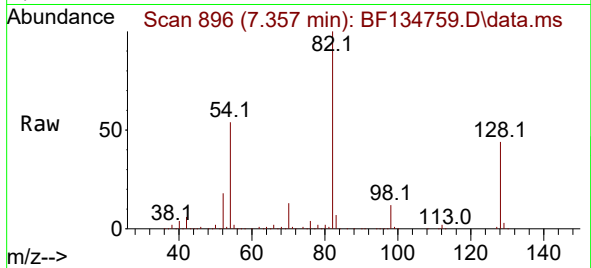




#25
Isophorone
Concen: 34.924 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

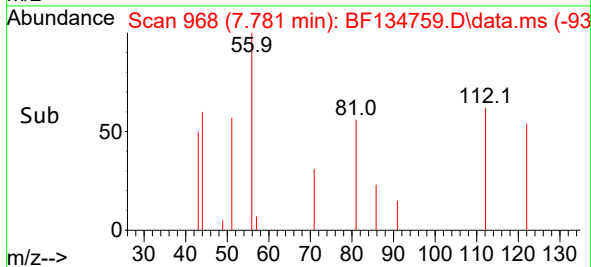
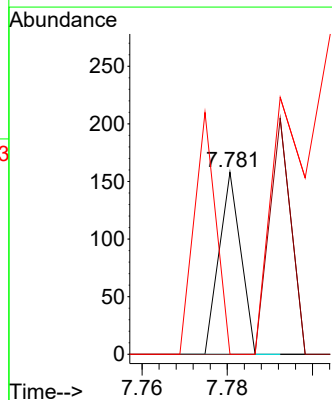
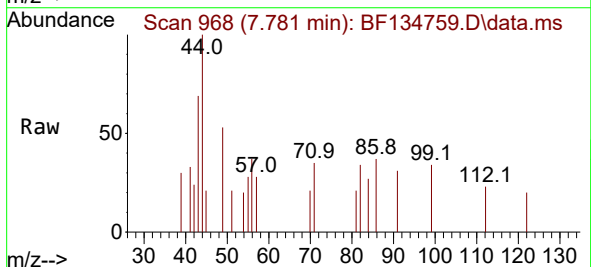
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z96-98

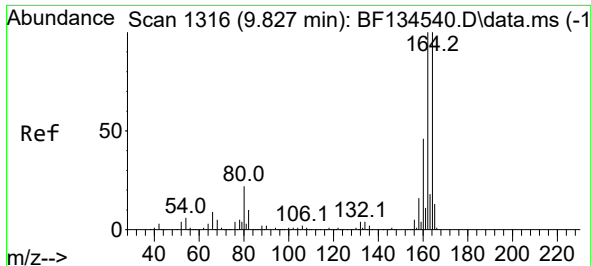
Tgt Ion: 82 Resp: 764035
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.874 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.082 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 0.0 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134759.D

Acq: 14 Aug 2023 14:58

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z96-98

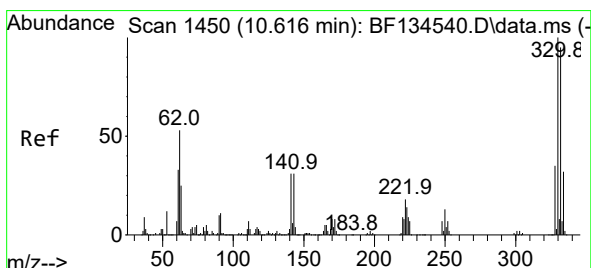
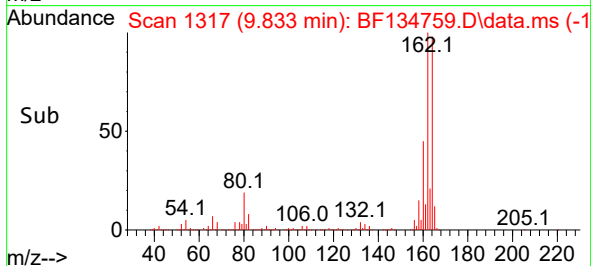
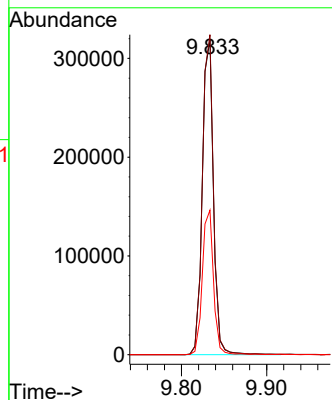
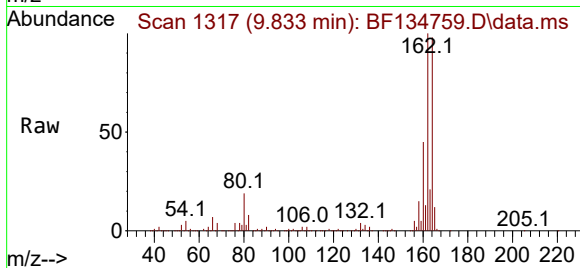
Tgt Ion:164 Resp: 288553

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

160 45.9 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 105.865 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134759.D

Acq: 14 Aug 2023 14:58

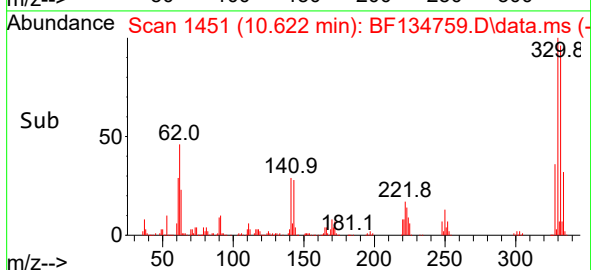
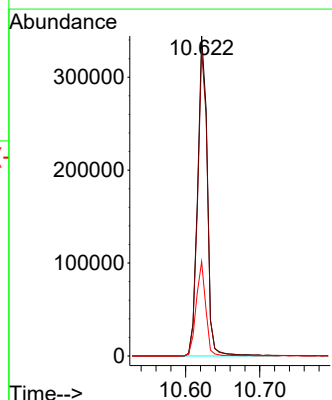
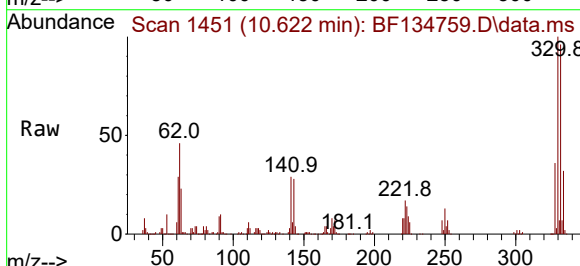
Tgt Ion:330 Resp: 311404

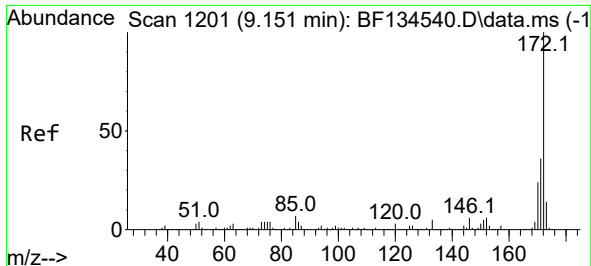
Ion Ratio Lower Upper

330 100

332 96.3 78.8 118.2

141 29.0 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 75.661 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134759.D

Acq: 14 Aug 2023 14:58

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z96-98

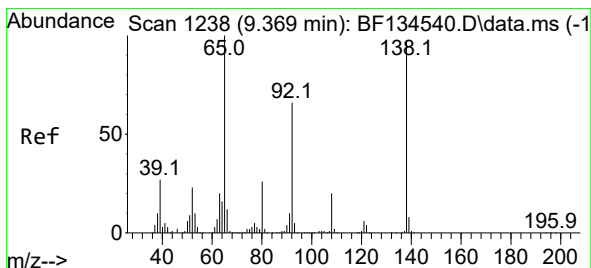
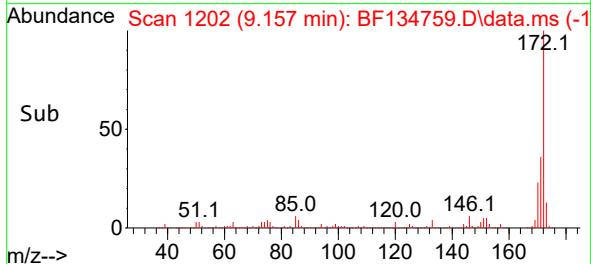
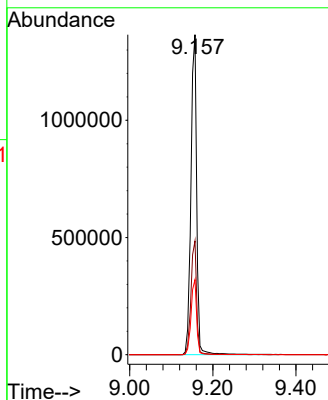
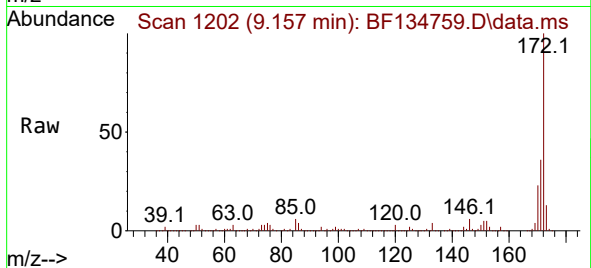
Tgt Ion:172 Resp: 1313067

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.246 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.112 min

Lab File: BF134759.D

Acq: 14 Aug 2023 14:58

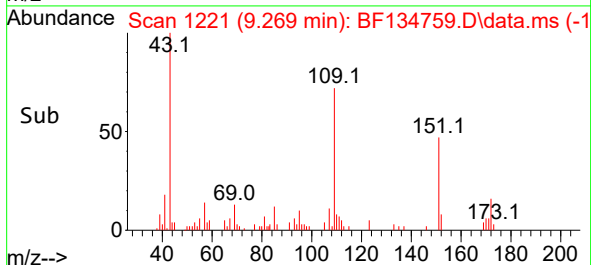
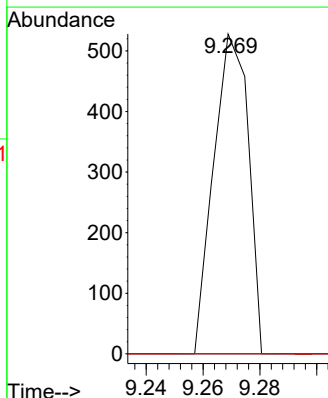
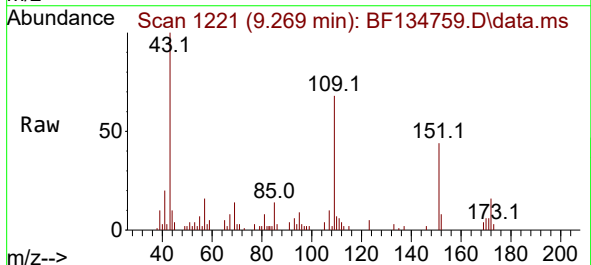
Tgt Ion: 65 Resp: 447

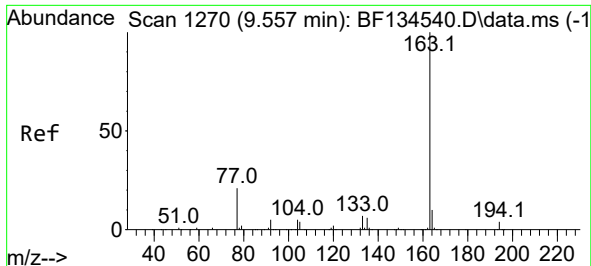
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

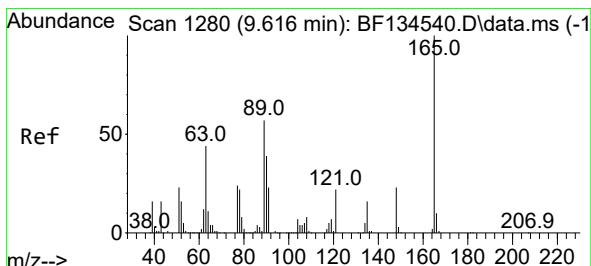
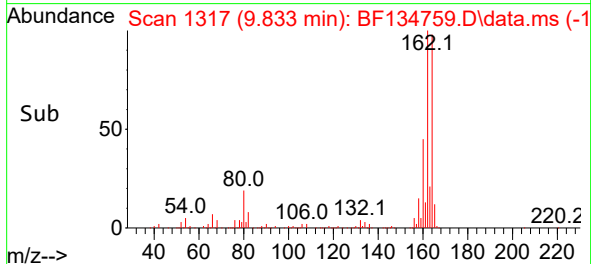
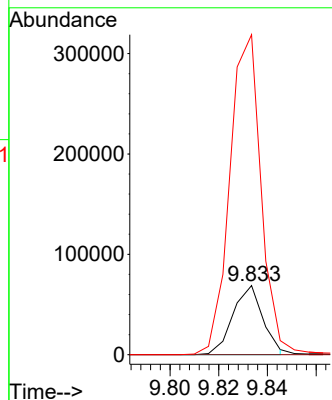
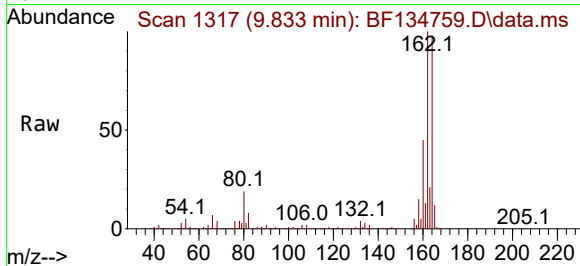




#50
Dimethylphthalate
Concen: 3.010 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

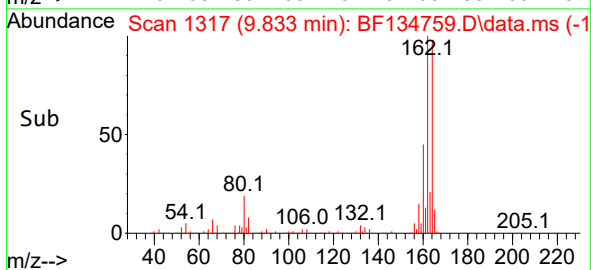
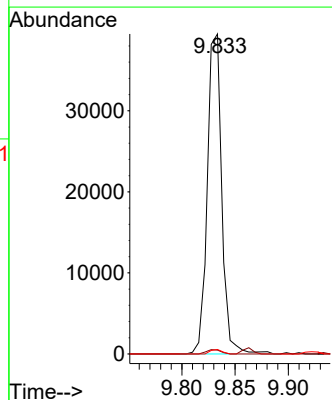
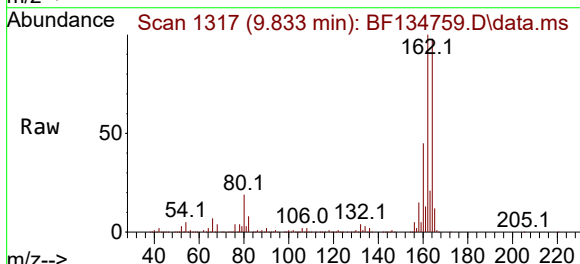
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z96-98

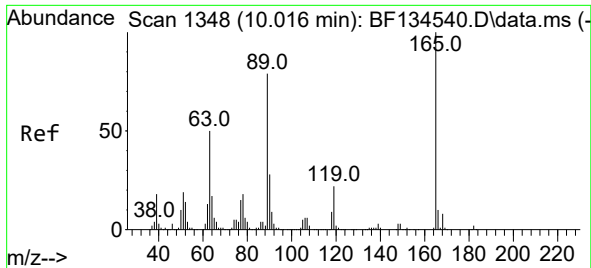
Tgt Ion:163 Resp: 59188
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 463.3 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.281 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

Tgt Ion:165 Resp: 37344
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 1.4 51.8 77.8#

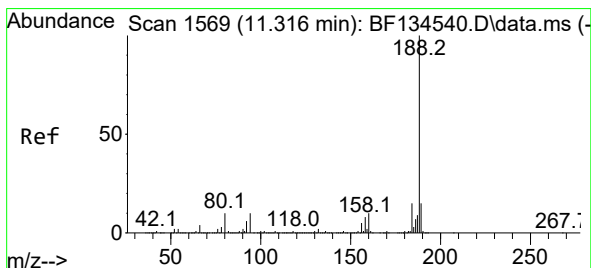
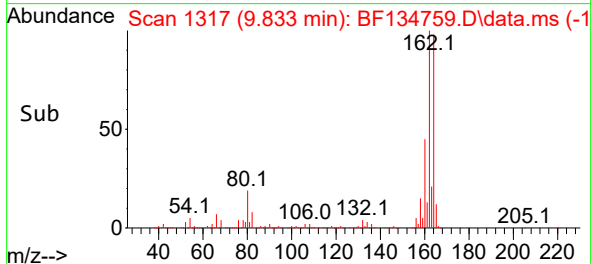
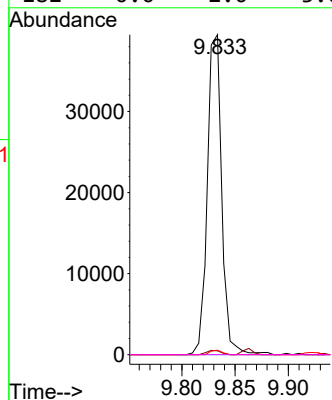
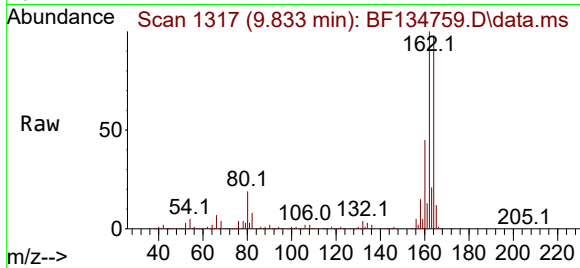




#57
2,4-Dinitrotoluene
Concen: 10.068 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

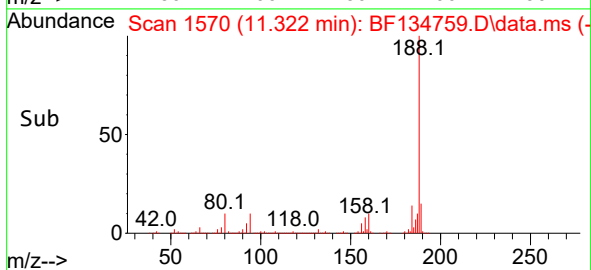
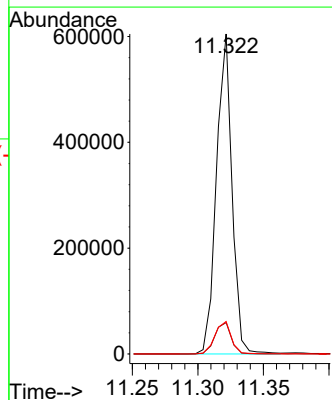
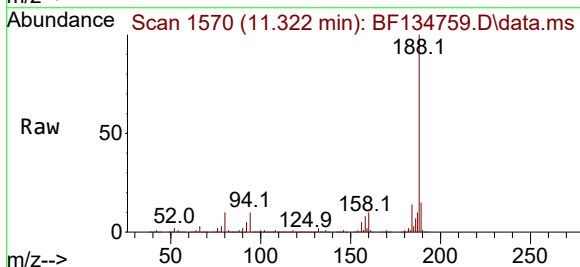
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z96-98

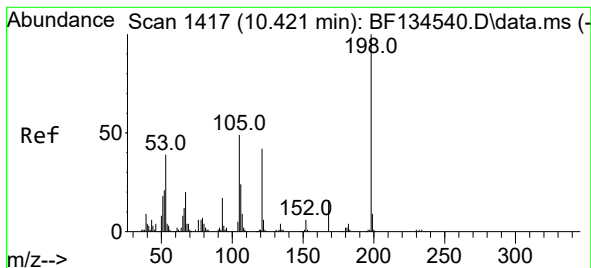
Tgt Ion:165 Resp: 37344
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

Tgt Ion:188 Resp: 498297
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7#
80 10.2 6.6 9.8#

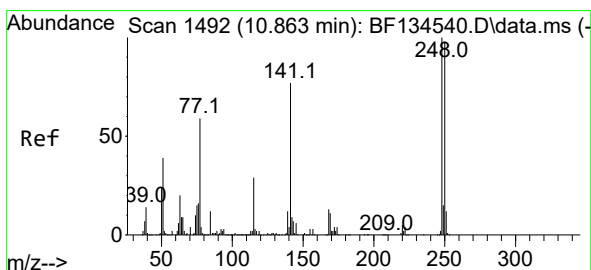
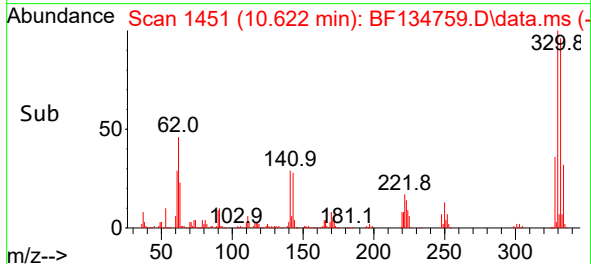
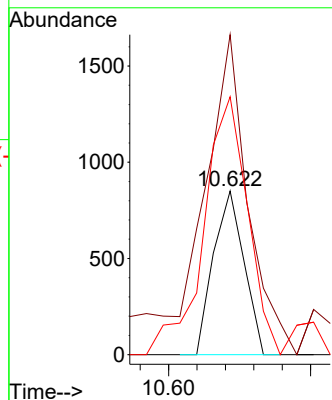
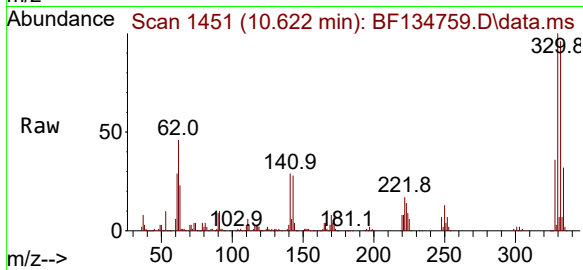




#65
4,6-Dinitro-2-methylphenol
Concen: 8.956 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

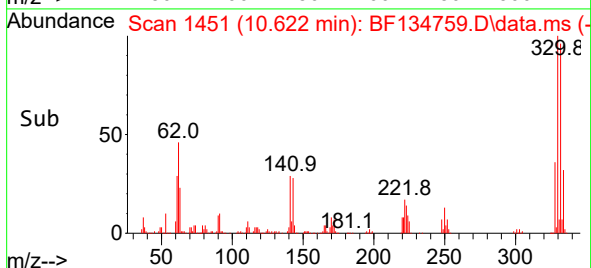
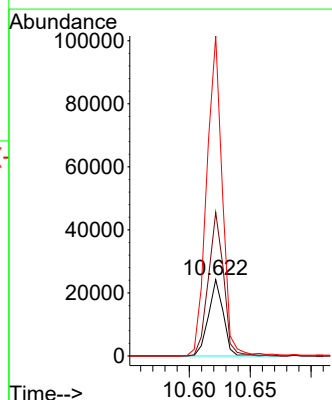
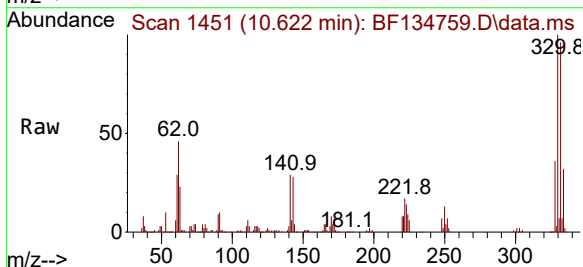
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z96-98

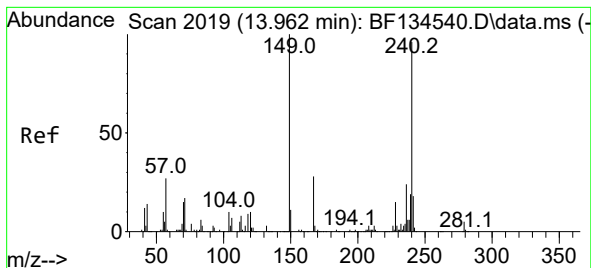
Tgt Ion:198 Resp: 633
Ion Ratio Lower Upper
198 100
51 195.4 38.6 78.6#
105 157.5 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 3.753 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134759.D
Acq: 14 Aug 2023 14:58

Tgt Ion:248 Resp: 20470
Ion Ratio Lower Upper
248 100
250 188.1 79.6 119.4#
141 419.1 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134759.D

Acq: 14 Aug 2023 14:58

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z96-98

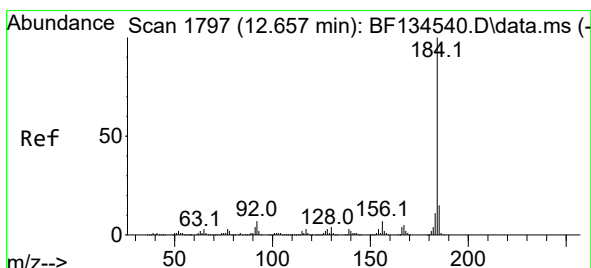
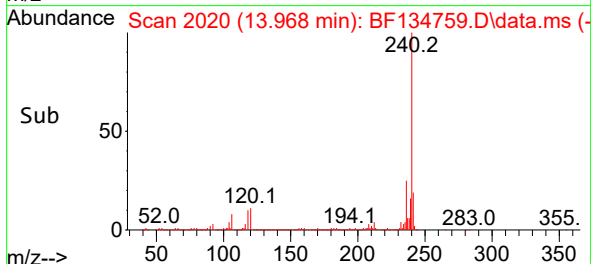
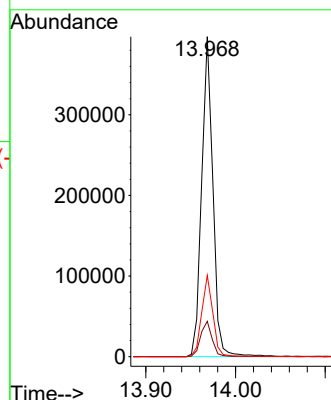
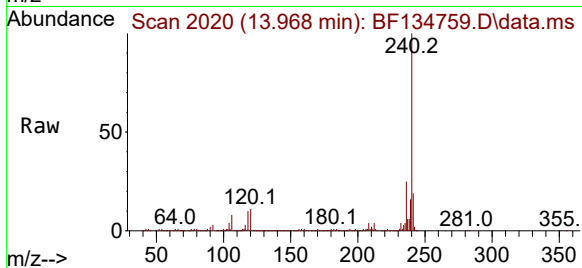
Tgt Ion:240 Resp: 345780

Ion Ratio Lower Upper

240 100

120 11.0 6.6 10.0#

236 25.4 20.2 30.2



#77

Benzidine

Concen: 2.209 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.253 min

Lab File: BF134759.D

Acq: 14 Aug 2023 14:58

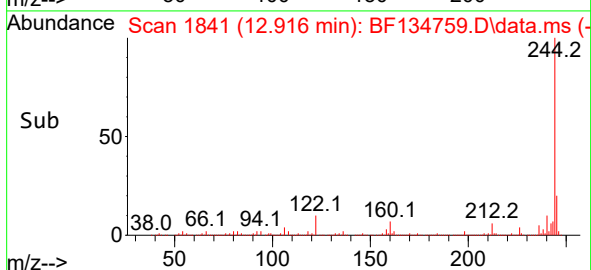
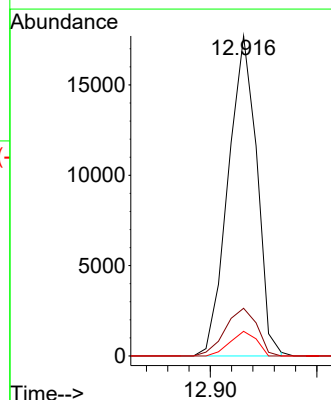
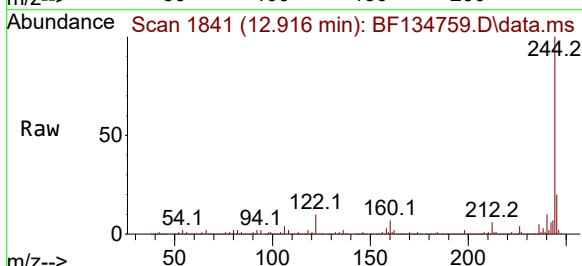
Tgt Ion:184 Resp: 16581

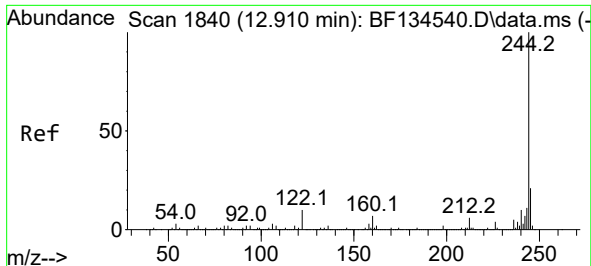
Ion Ratio Lower Upper

184 100

185 14.9 11.2 16.8

183 7.7 8.6 13.0#

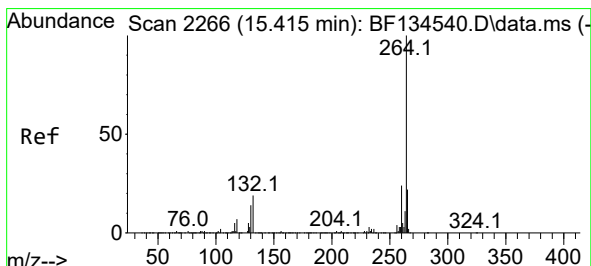
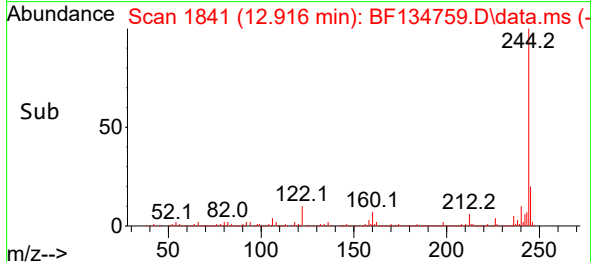
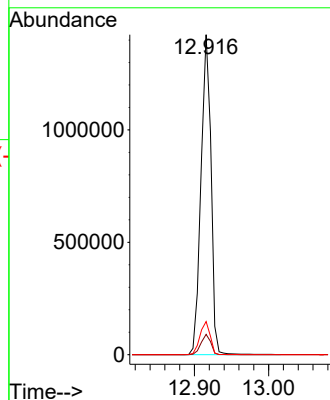
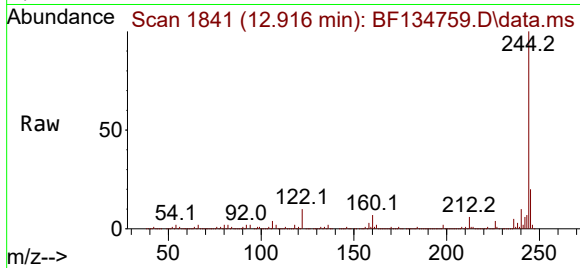




#79
 Terphenyl-d14
 Concen: 68.042 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134759.D
 Acq: 14 Aug 2023 14:58

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z96-98

Tgt Ion:244 Resp: 1334611
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.4 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF134759.D
 Acq: 14 Aug 2023 14:58

Tgt Ion:264 Resp: 326674
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.4 27.6
 265 21.5 15.8 23.8

