

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134670.D
 Acq On : 08 Aug 2023 14:17
 Operator : CG\JU
 Sample : 03903-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-01

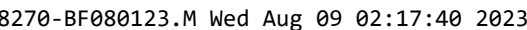
Quant Time: Aug 09 02:17:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	196824	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	713268	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	302010	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	486625	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	349744	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	270987	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1120355	86.527	ng	0.00
7) Phenol-d6	6.440	99	1367045	82.593	ng	0.00
23) Nitrobenzene-d5	7.363	82	797116	69.839	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	257869	83.759	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1267725	69.794	ng	0.00
79) Terphenyl-d14	12.921	244	1170180	58.982	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	530	Below Cal	#	25
25) Isophorone	7.363	82	785504	31.554	ng	# 65
26) 2-Nitrophenol	7.698	139	631	4.901	ng	# 1
32) Benzoic acid	7.869	122	620	7.939	ng	# 66
48) 2-Nitroaniline	9.416	65	897	3.319	ng	# 8
50) Dimethylphthalate	9.833	163	64028	3.111	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	39786	11.439	ng	# 17
54) 2,4-Dinitrophenol	10.122	184	61	6.829	ng	# 13
57) 2,4-Dinitrotoluene	9.833	165	39786	10.197	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	679	8.982	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	15943	2.993	ng	# 1

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

Quant Time: Aug 09 02:17:34 2023
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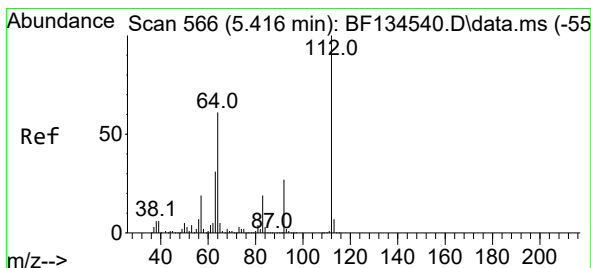
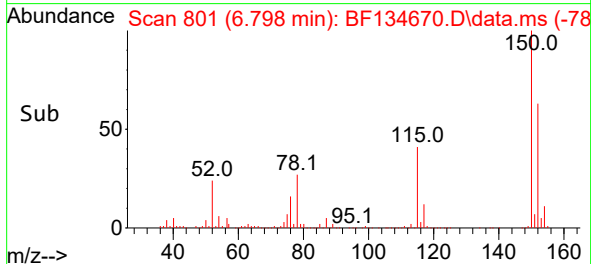
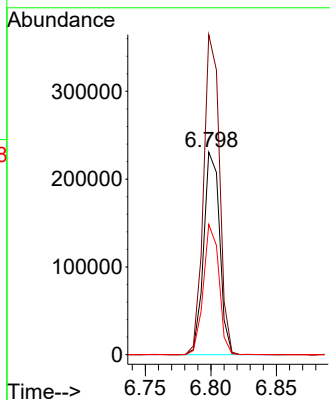
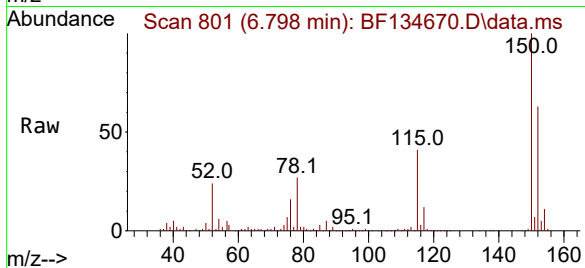




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

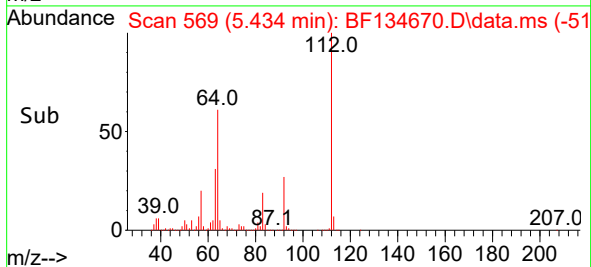
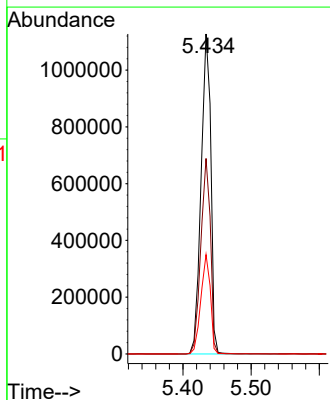
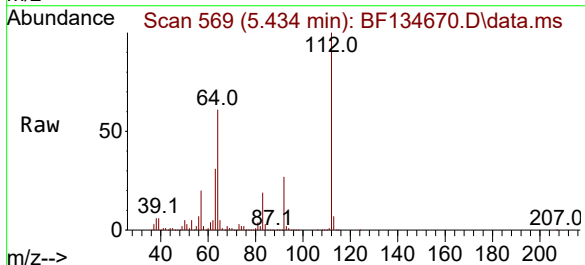
Instrument :
BNA_F
ClientSampleId :
MW-01

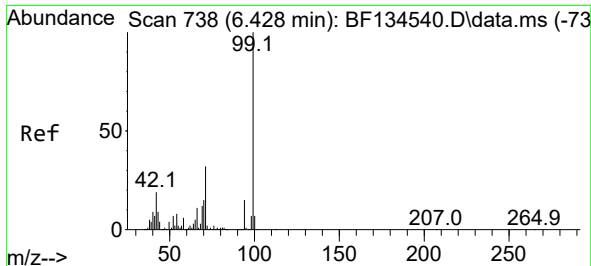
Tgt Ion:152 Resp: 196824
Ion Ratio Lower Upper
152 100
150 157.9 128.3 192.5
115 64.3 52.4 78.6



#5
2-Fluorophenol
Concen: 86.527 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

Tgt Ion:112 Resp: 1120355
Ion Ratio Lower Upper
112 100
64 61.1 44.9 67.3
63 31.0 25.4 38.0

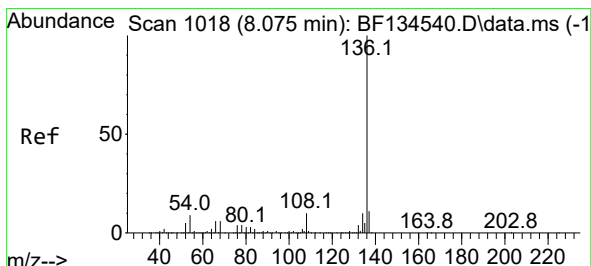
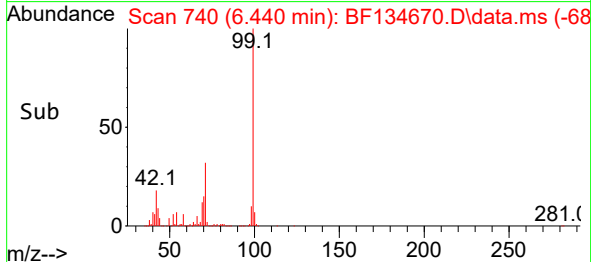
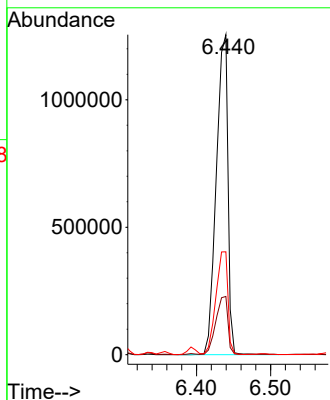
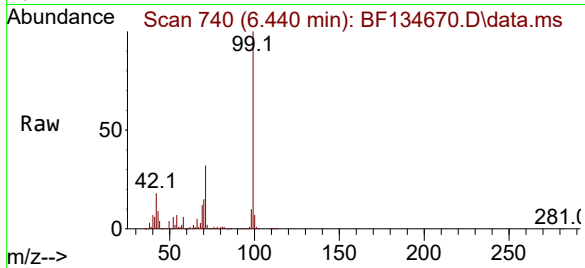




#7
Phenol-d6
Concen: 82.593 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

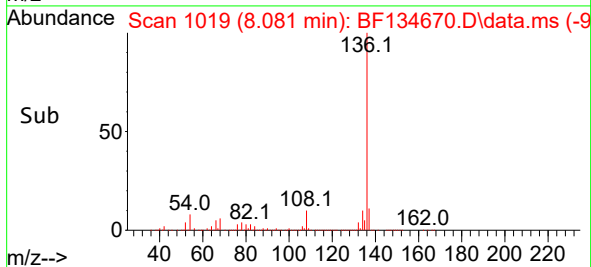
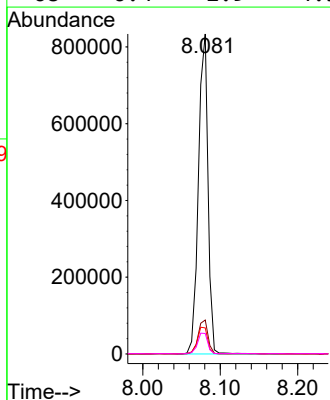
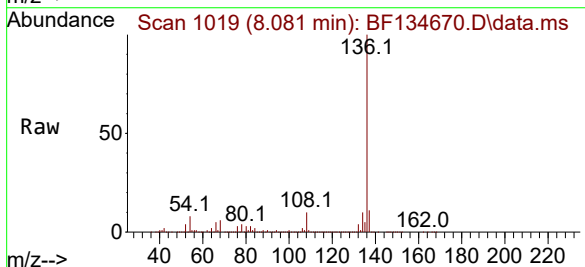
Instrument :
BNA_F
ClientSampleId :
MW-01

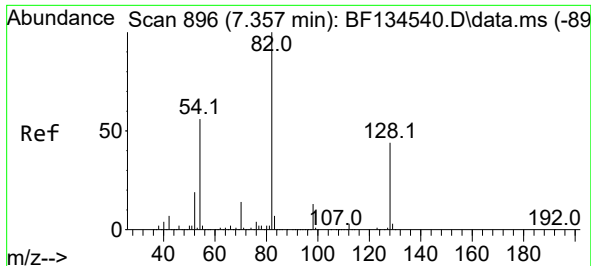
Tgt Ion: 99 Resp: 1367045
Ion Ratio Lower Upper
99 100
42 18.2 18.7 28.1#
71 32.2 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

Tgt Ion: 136 Resp: 713268
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.2 5.2 7.8#
68 6.4 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 69.839 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

Instrument :

BNA_F

ClientSampleId :

MW-01

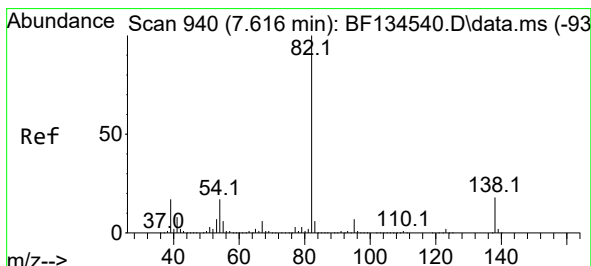
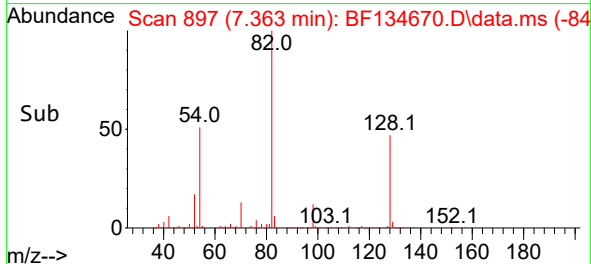
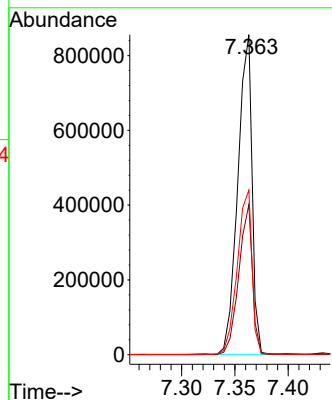
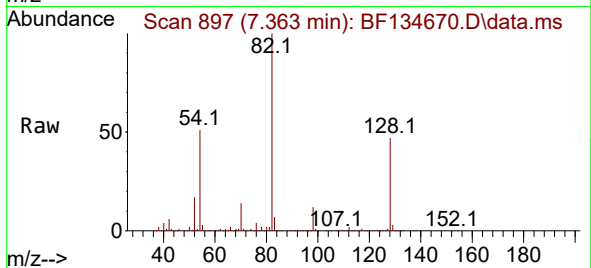
Tgt Ion: 82 Resp: 797116

Ion Ratio Lower Upper

82 100

128 46.9 34.3 51.5

54 51.4 43.8 65.6



#25

Isophorone

Concen: 31.554 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.265 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

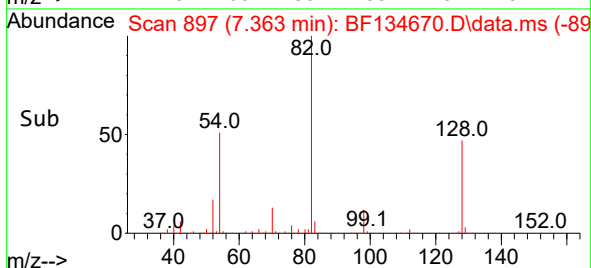
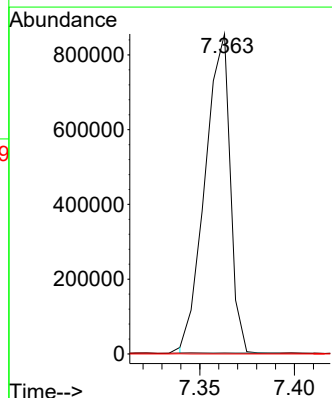
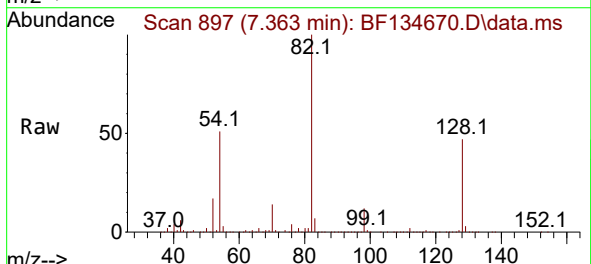
Tgt Ion: 82 Resp: 785504

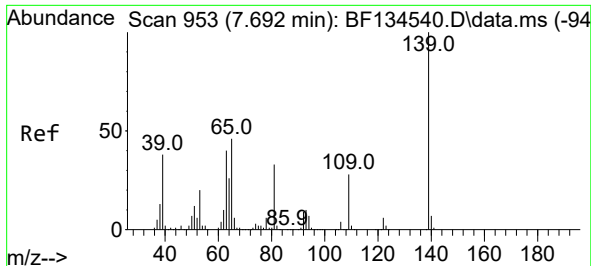
Ion Ratio Lower Upper

82 100

95 0.3 6.0 9.0#

138 0.0 14.6 22.0#

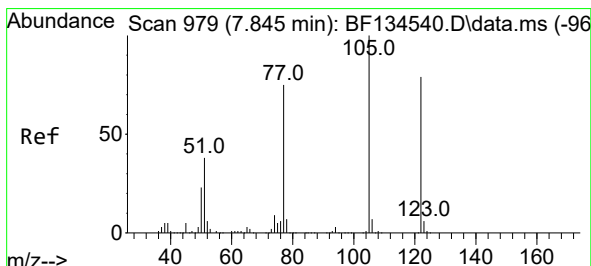
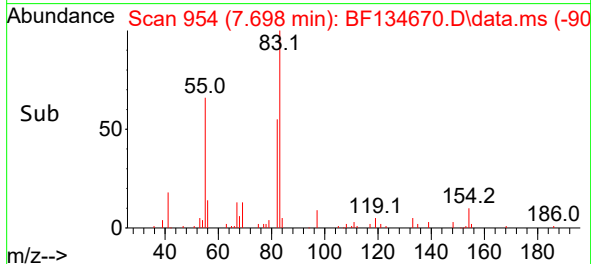
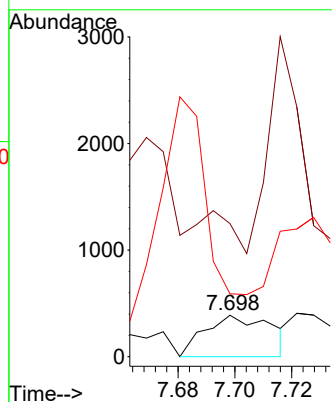
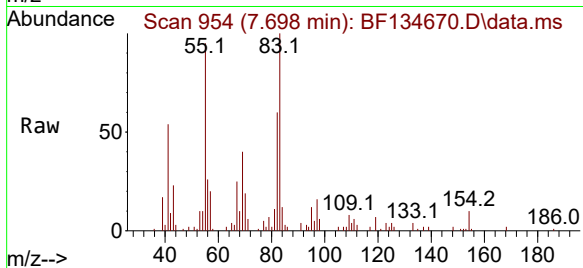




#26
2-Nitrophenol
Concen: 4.901 ng
RT: 7.698 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

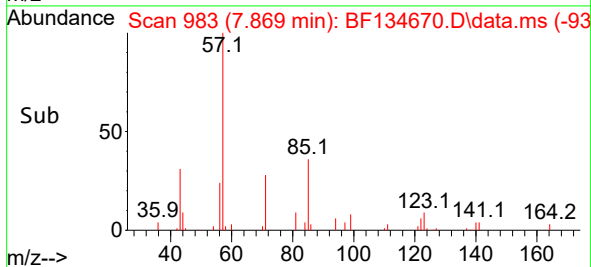
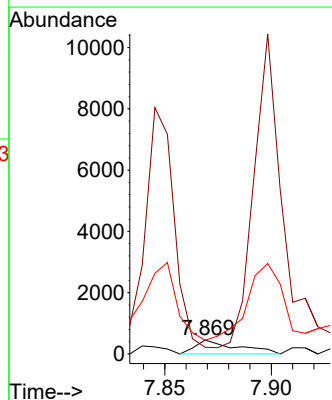
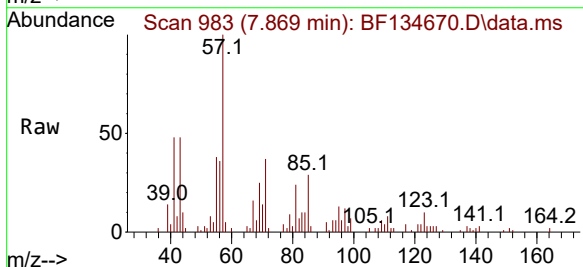
Instrument :
BNA_F
ClientSampleId :
MW-01

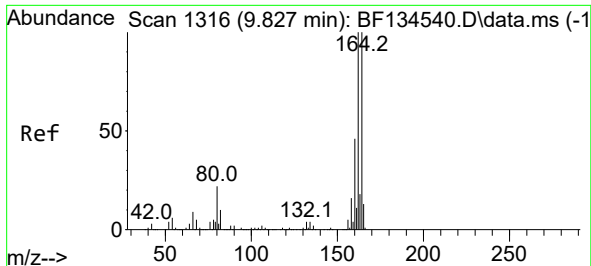
Tgt Ion:139 Resp: 631
Ion Ratio Lower Upper
139 100
109 321.1 29.8 44.6#
65 151.7 45.4 68.2#



#32
Benzoic acid
Concen: 7.939 ng
RT: 7.869 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

Tgt Ion:122 Resp: 620
Ion Ratio Lower Upper
122 100
105 48.2 87.5 127.5#
77 98.9 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

Instrument :

BNA_F

ClientSampleId :

MW-01

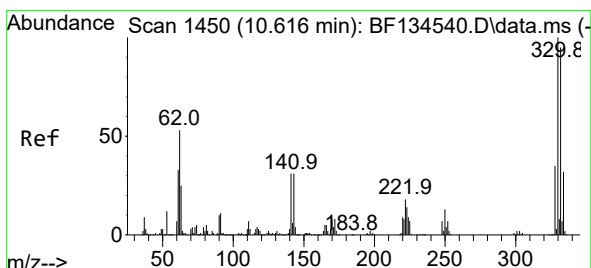
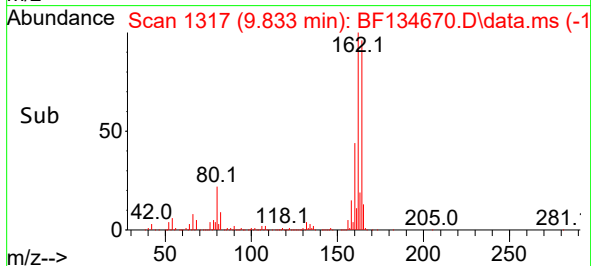
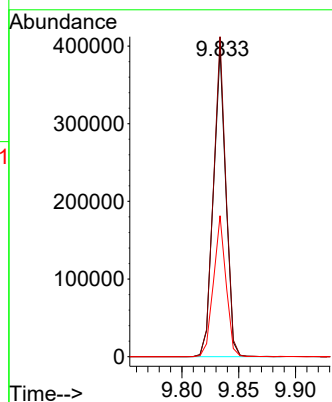
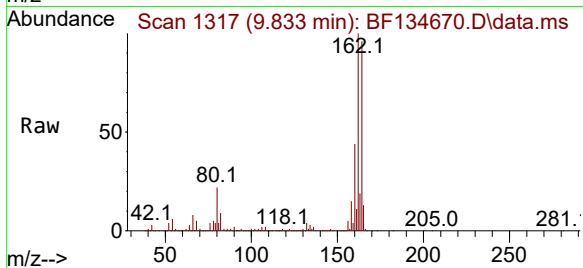
Tgt Ion:164 Resp: 302010

Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

160 45.9 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 83.759 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

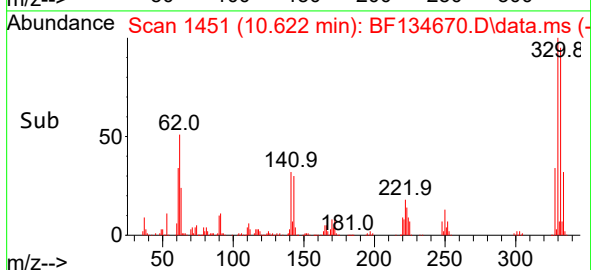
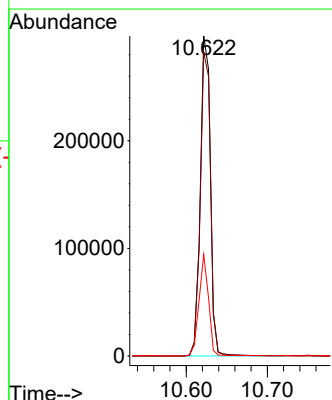
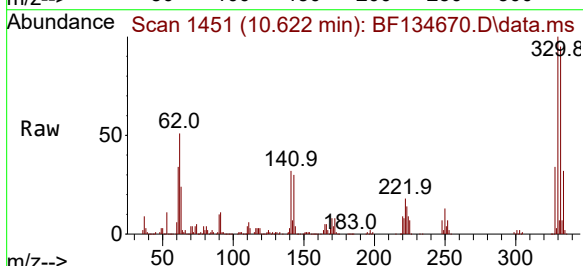
Tgt Ion:330 Resp: 257869

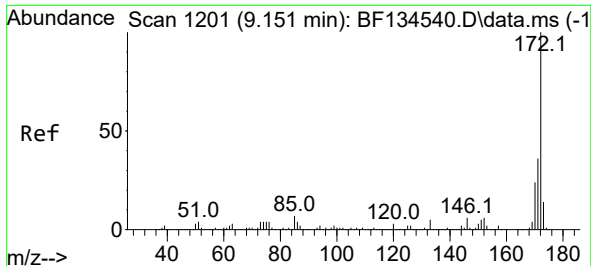
Ion Ratio Lower Upper

330 100

332 96.9 78.8 118.2

141 30.1 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 69.794 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

Instrument :

BNA_F

ClientSampleId :

MW-01

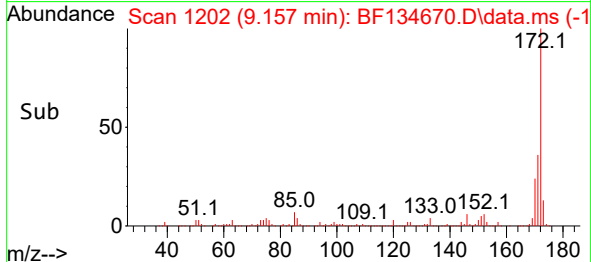
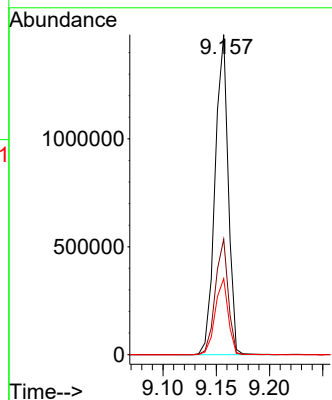
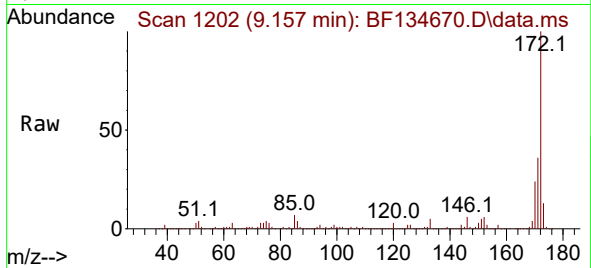
Tgt Ion:172 Resp: 1267725

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.319 ng

RT: 9.416 min Scan# 1246

Delta R.T. 0.035 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

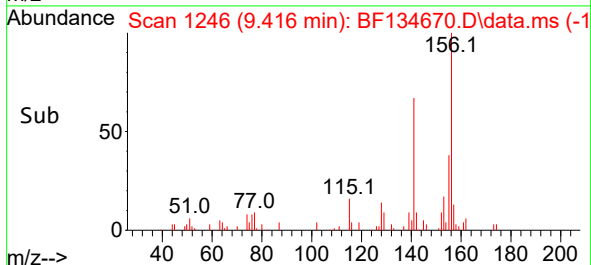
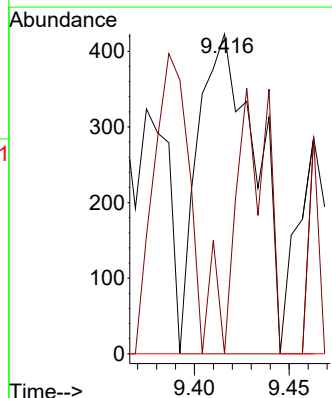
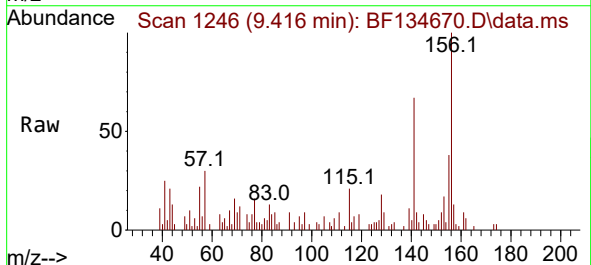
Tgt Ion: 65 Resp: 897

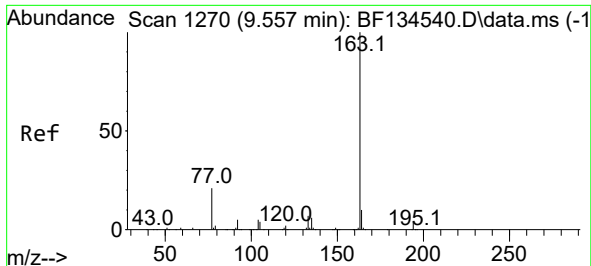
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

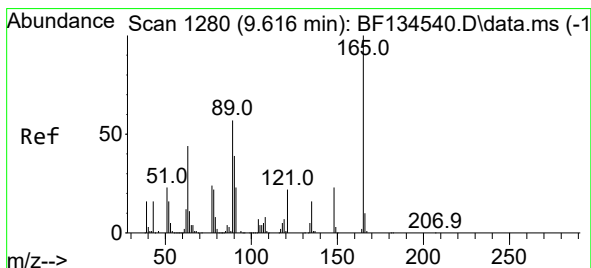
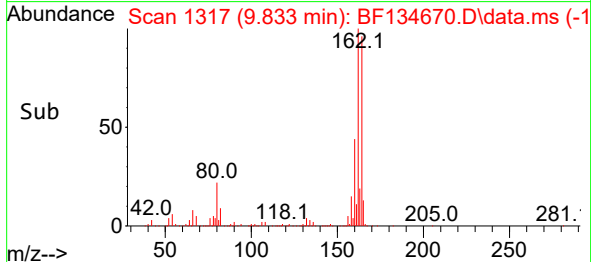
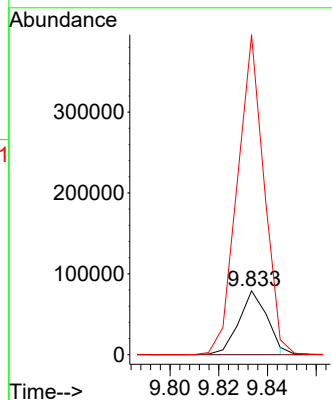
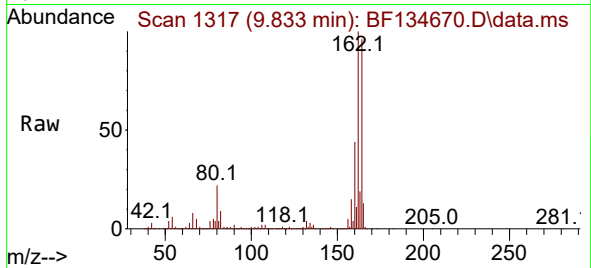




#50
Dimethylphthalate
Concen: 3.111 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

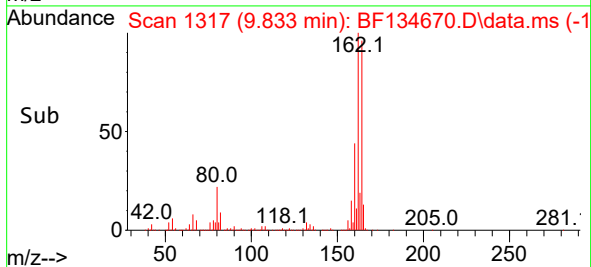
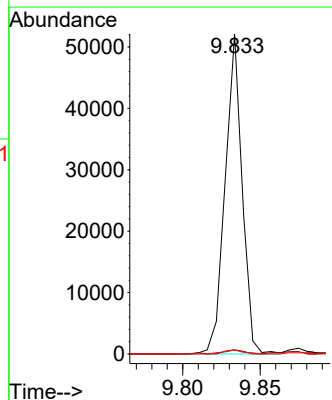
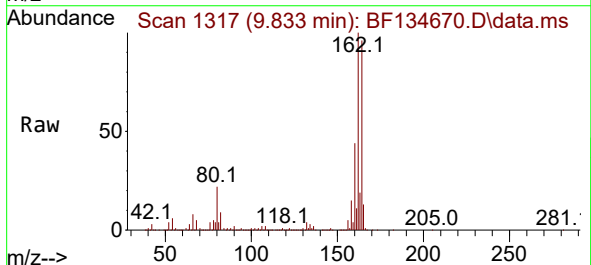
Instrument :
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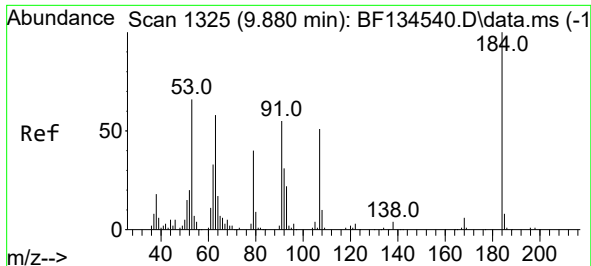
Tgt Ion:163 Resp: 64028
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 500.7 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.439 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

Tgt Ion:165 Resp: 39786
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.2 51.8 77.8#

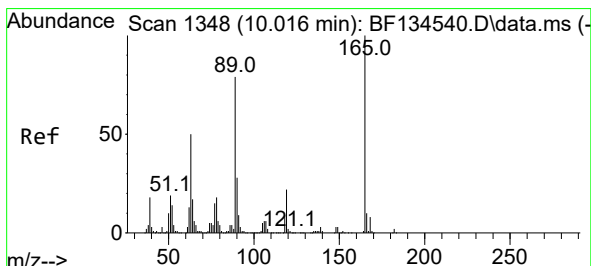
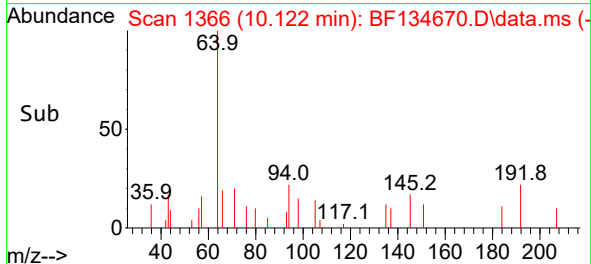
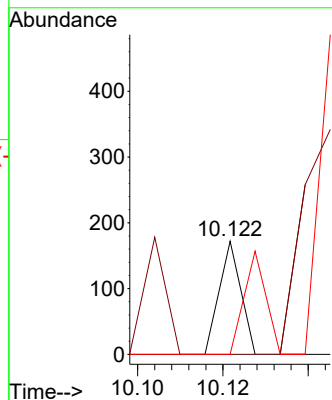
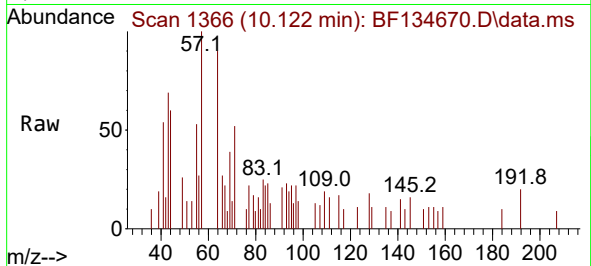




#54
2,4-Dinitrophenol
Concen: 6.829 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.224 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

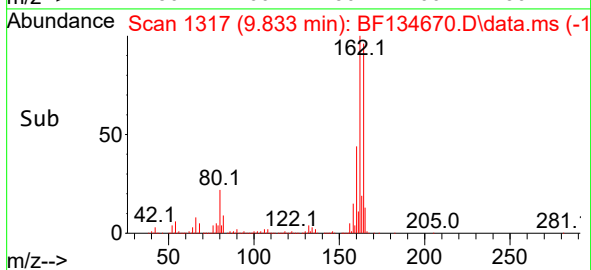
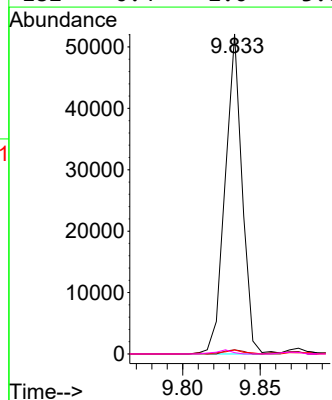
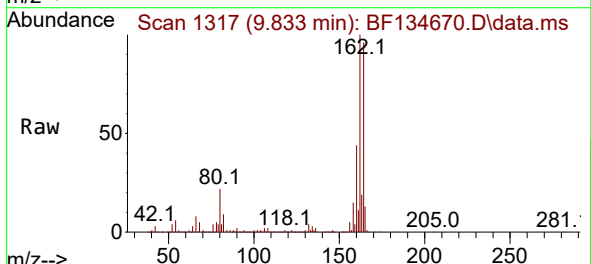
Instrument :
BNA_F
ClientSampleId :
MW-01

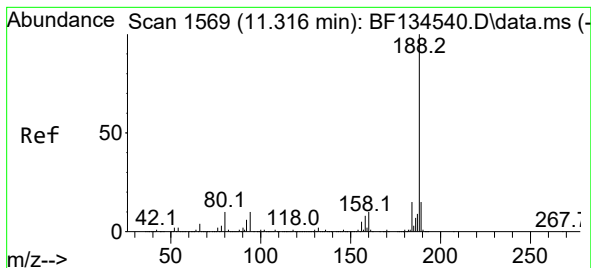
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 57.1 85.7#
154 0.0 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 10.197 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

Tgt Ion:165 Resp: 39786
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.2 61.7 92.5#
182 0.4 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

Instrument :

BNA_F

ClientSampleId :

MW-01

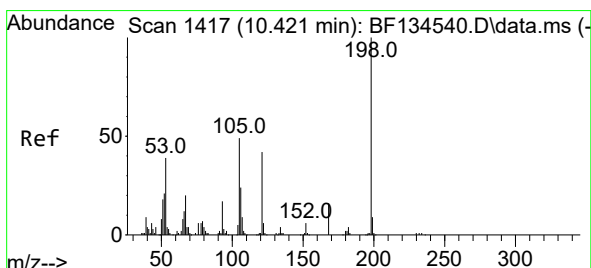
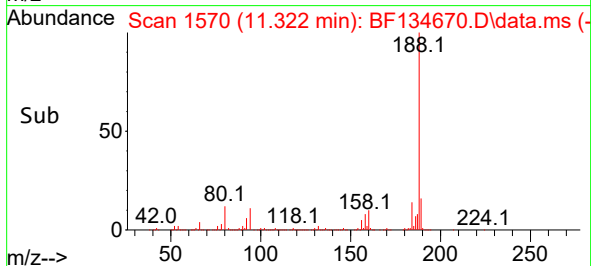
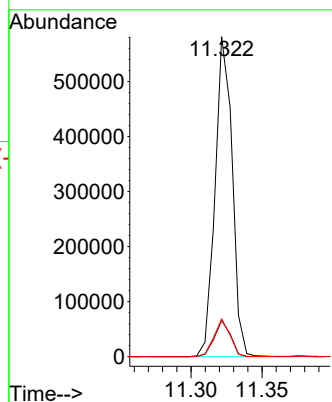
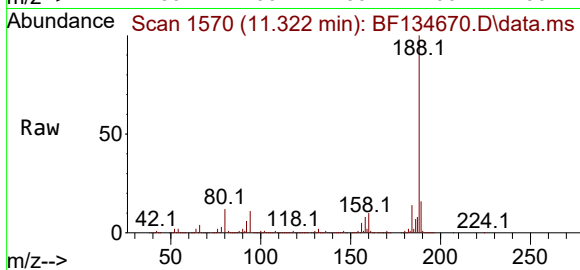
Tgt Ion:188 Resp: 486625

Ion Ratio Lower Upper

188 100

94 11.2 5.1 7.7#

80 11.8 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.982 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.182 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

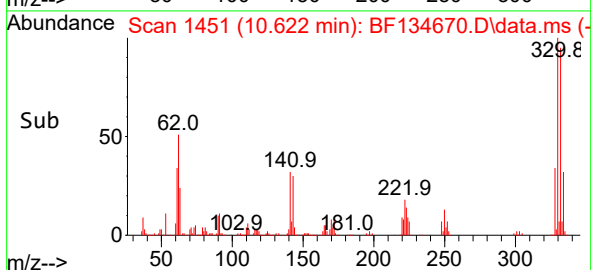
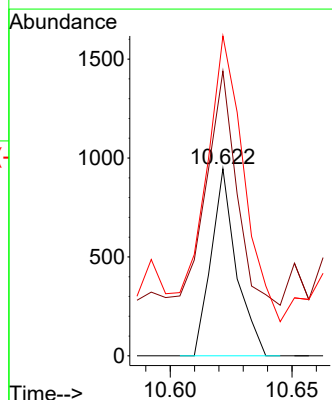
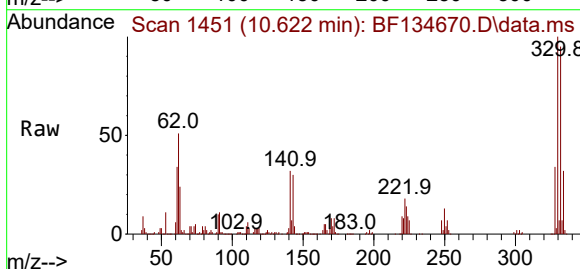
Tgt Ion:198 Resp: 679

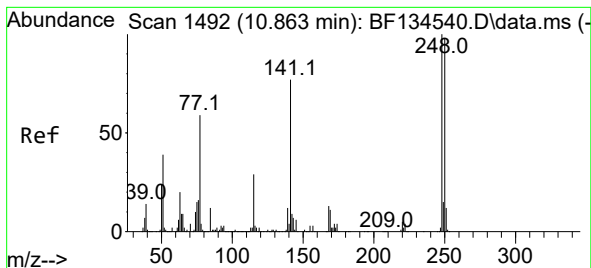
Ion Ratio Lower Upper

198 100

51 152.1 38.6 78.6#

105 170.9 27.9 67.9#

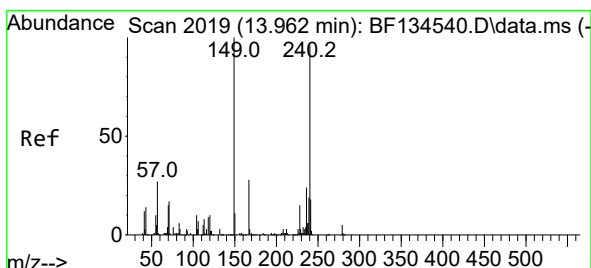
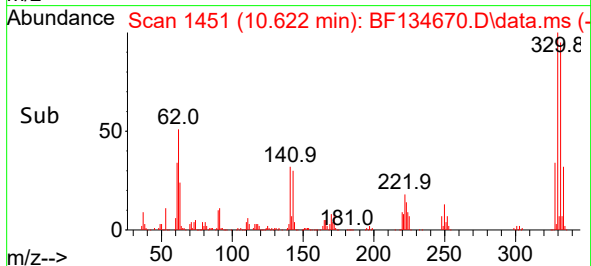
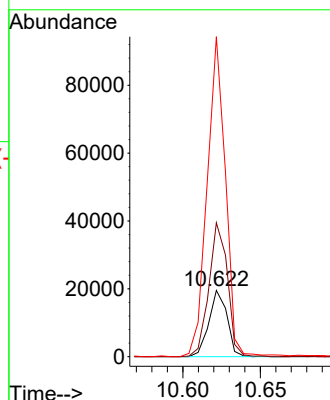
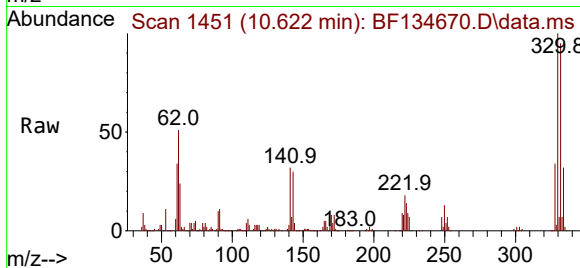




#67
4-Bromophenyl-phenylether
Concen: 2.993 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

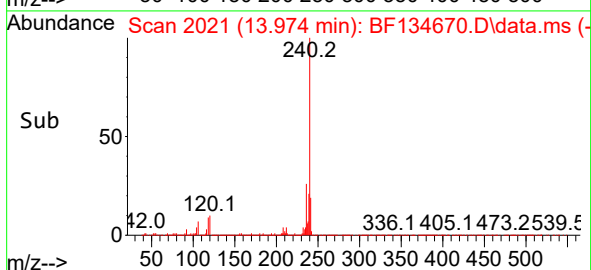
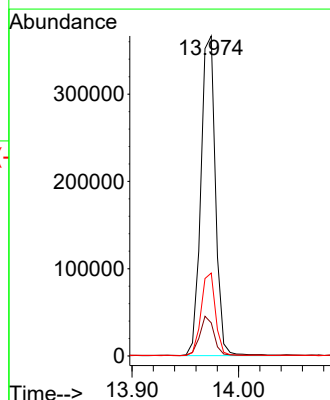
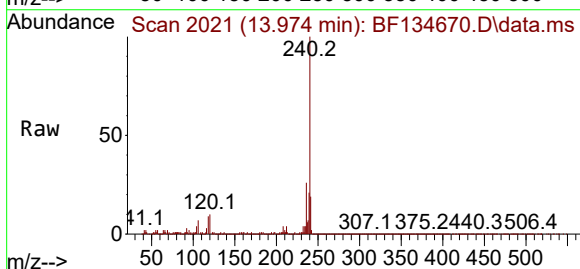
Instrument :
BNA_F
ClientSampleId :
MW-01

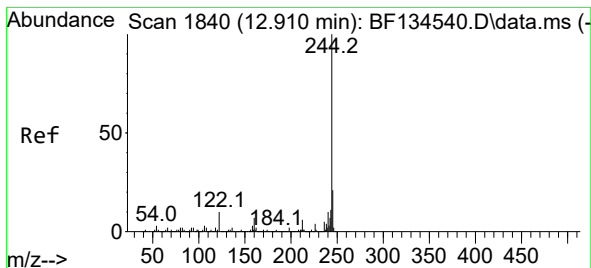
Tgt Ion:248 Resp: 15943
Ion Ratio Lower Upper
248 100
250 202.5 79.6 119.4#
141 483.6 59.6 89.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134670.D
Acq: 08 Aug 2023 14:17

Tgt Ion:240 Resp: 349744
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.9 20.2 30.2





#79

Terphenyl-d14

Concen: 58.982 ng

RT: 12.921 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

Instrument :

BNA_F

ClientSampleId :

MW-01

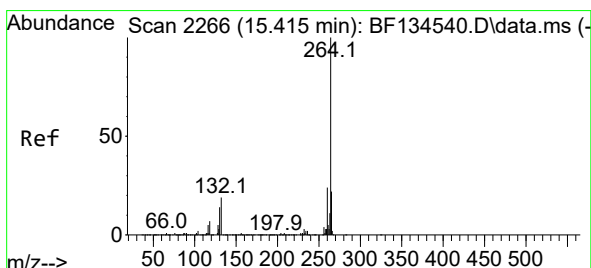
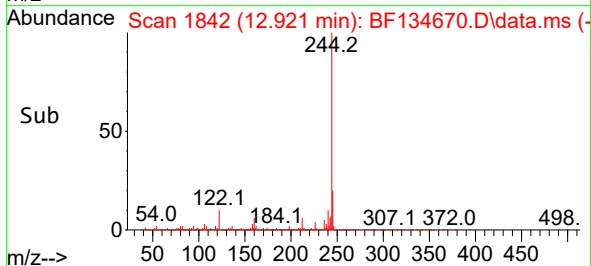
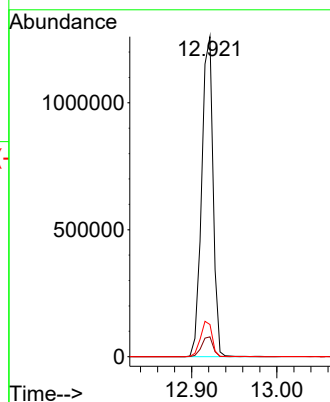
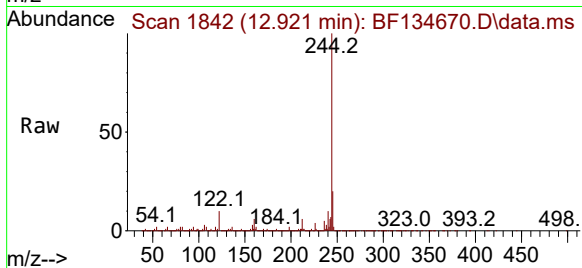
Tgt Ion:244 Resp: 1170180

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 10.0 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF134670.D

Acq: 08 Aug 2023 14:17

Tgt Ion:264 Resp: 270987

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 22.3 15.8 23.8

