

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134118.D
 Acq On : 07 Jul 2023 03:02
 Operator : CG\JU
 Sample : 03376-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 04:11:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

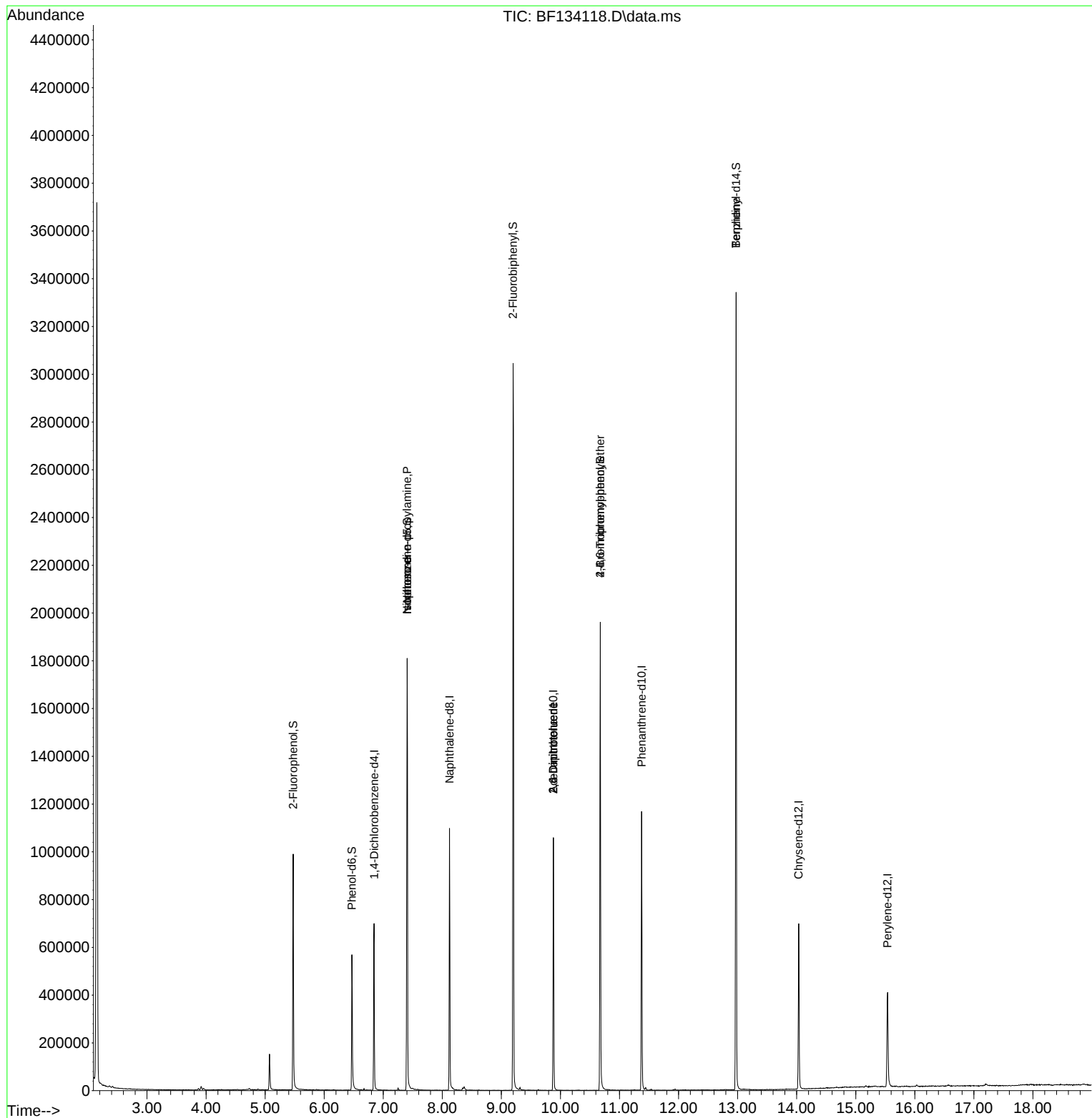
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	105724	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	447097	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	203176	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	423724	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	238925	20.000	ng	-0.02
86) Perylene-d12	15.539	264	206468	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	248487	39.316	ng	-0.01
7) Phenol-d6	6.469	99	177366	22.819	ng	-0.02
23) Nitrobenzene-d5	7.404	82	562885	67.866	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	238494	93.622	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	958035	68.555	ng	-0.01
79) Terphenyl-d14	12.974	244	1164446	78.438	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.475	77	289	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	76746	15.570	ng	# 78
25) Isophorone	7.404	82	562881	37.341	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	25338	7.976	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	25338	6.040	ng	# 22
67) 4-Bromophenyl-phenylether	10.674	248	14481	3.215	ng	# 1
77) Benizidine	12.974	184	15922	2.801	ng	# 91

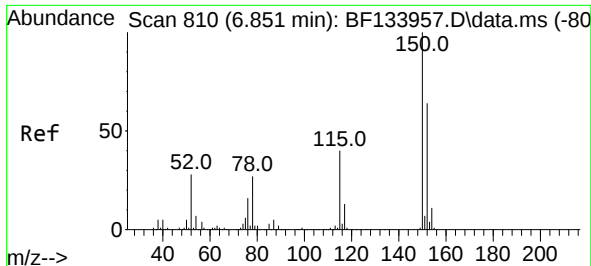
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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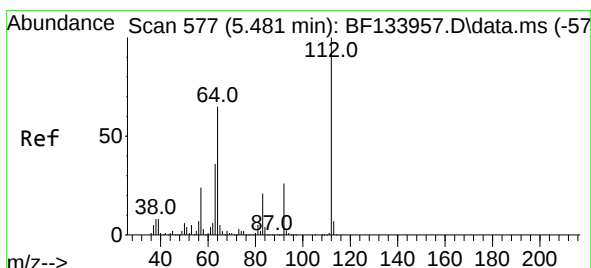
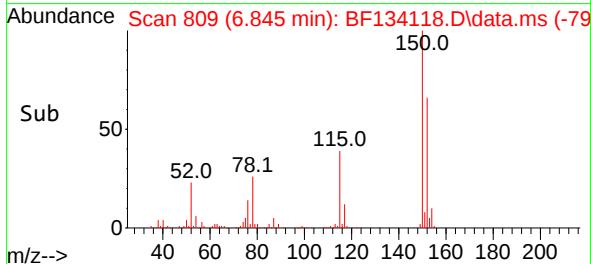
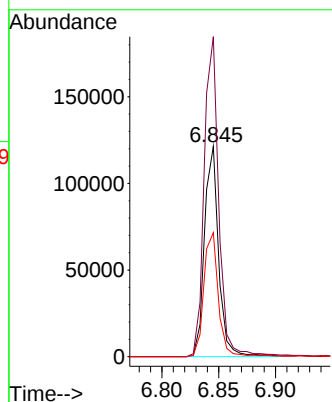
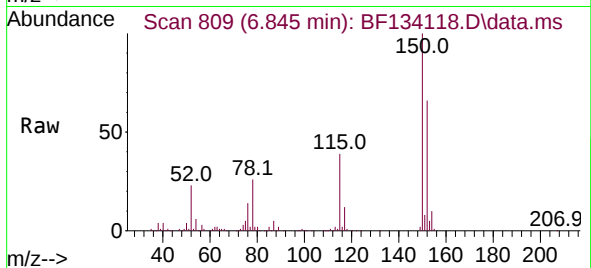




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

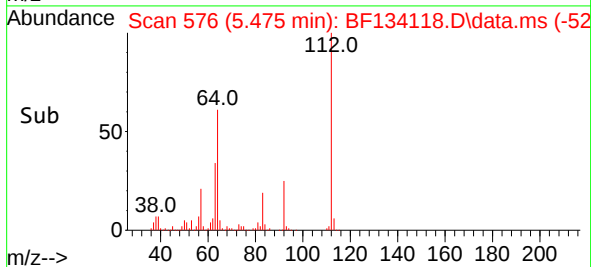
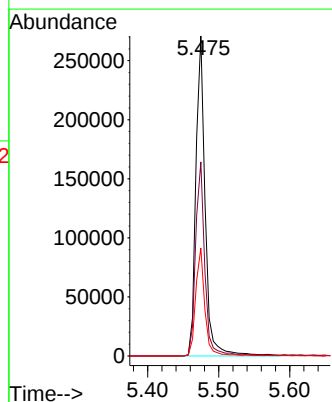
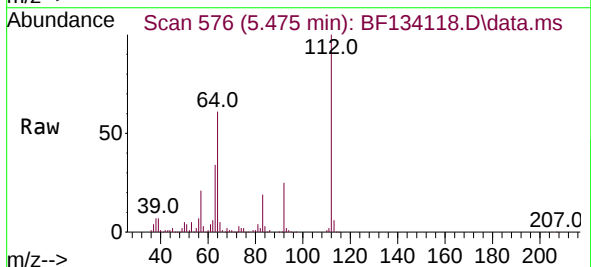
Instrument :
BNA_F
ClientSampleId :

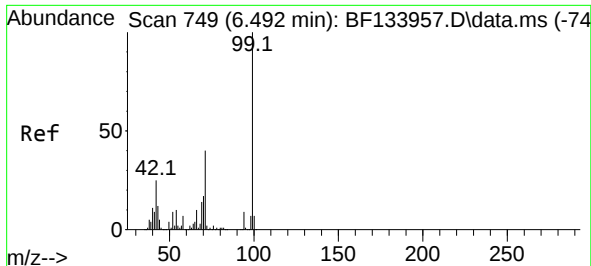
Tgt Ion:152 Resp: 105724
Ion Ratio Lower Upper
152 100
150 152.2 124.5 186.7
115 59.0 50.2 75.2



#5
2-Fluorophenol
Concen: 39.316 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

Tgt Ion:112 Resp: 248487
Ion Ratio Lower Upper
112 100
64 60.6 52.1 78.1
63 33.7 28.6 42.8

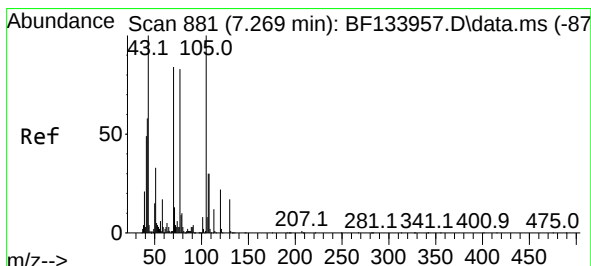
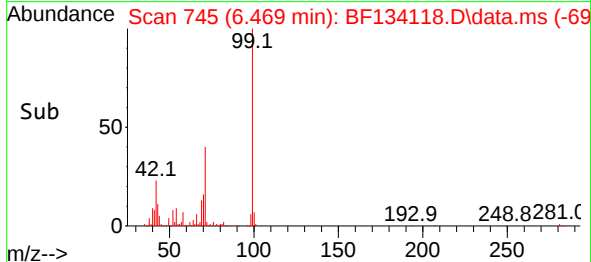
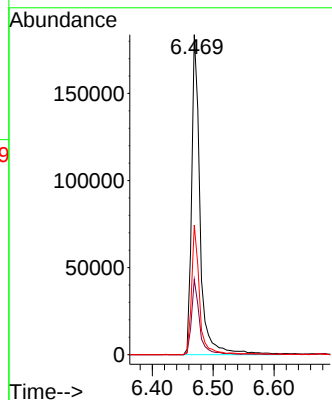
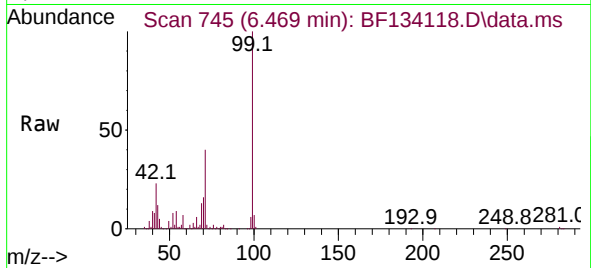




#7
Phenol-d6
Concen: 22.819 ng
RT: 6.469 min Scan# 749
Delta R.T. -0.024 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

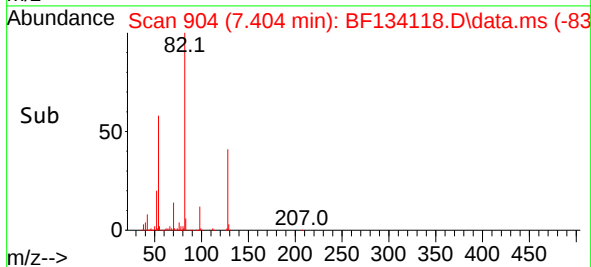
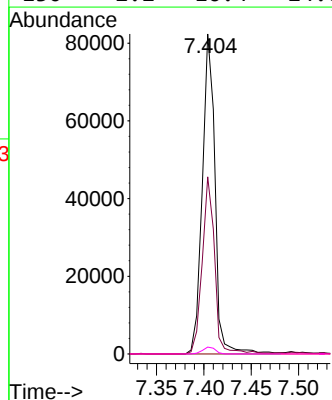
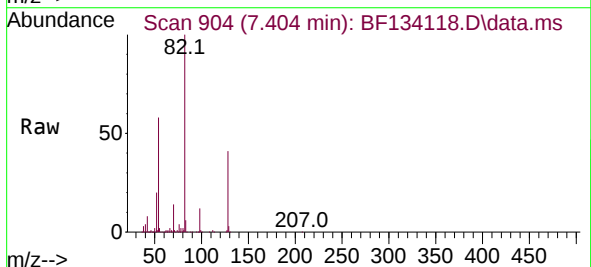
Instrument :
BNA_F
ClientSampleId :

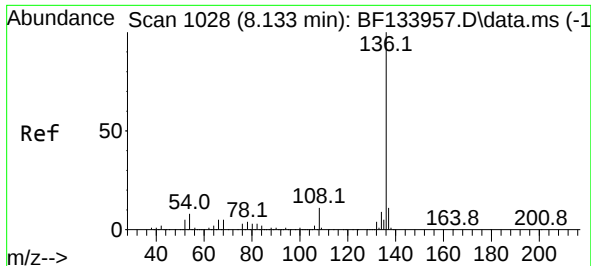
Tgt Ion: 99 Resp: 177366
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 40.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.570 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

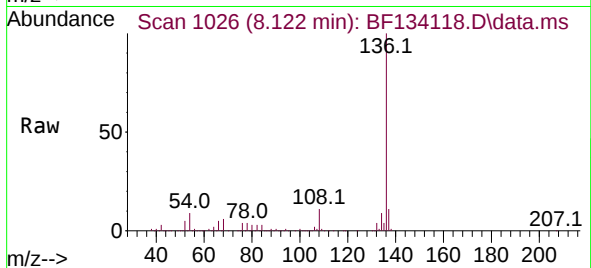
Tgt Ion: 70 Resp: 76746
Ion Ratio Lower Upper
70 100
42 55.4 54.7 82.1
101 0.0 7.7 11.5#
130 2.2 16.4 24.6#



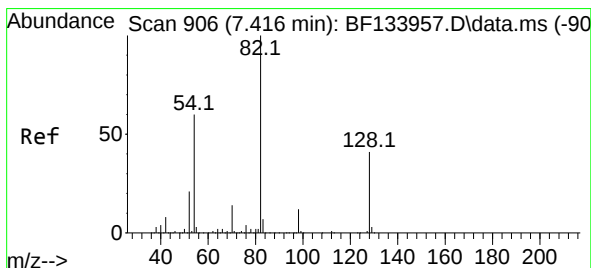
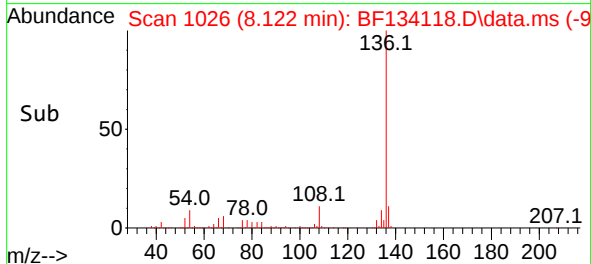
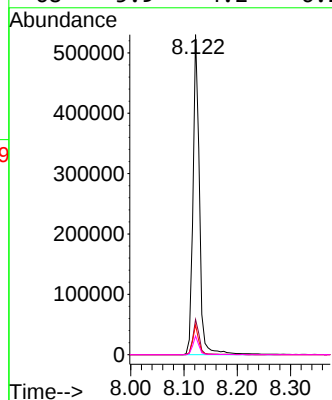


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

Instrument :
BNA_F
ClientSampleId :

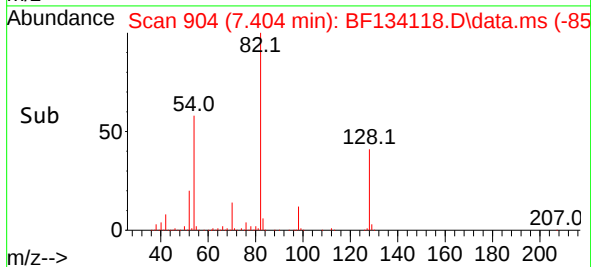
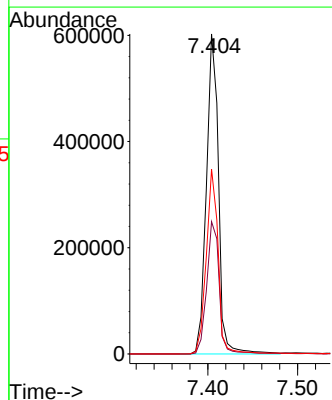
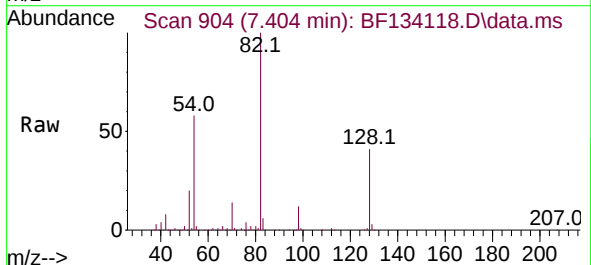


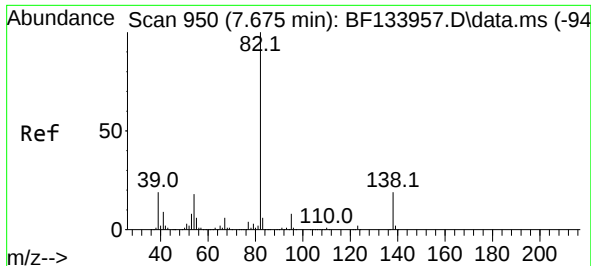
Tgt Ion:136 Resp: 447097
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.3 6.5 9.7
68 5.9 4.2 6.2



#23
Nitrobenzene-d5
Concen: 67.866 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

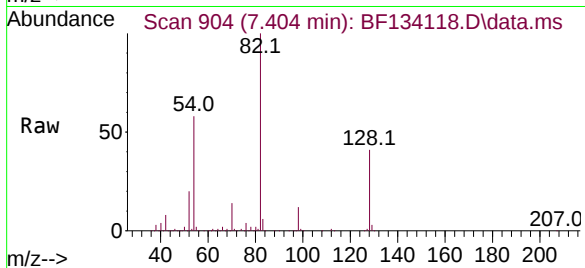
Tgt Ion: 82 Resp: 562885
Ion Ratio Lower Upper
82 100
128 41.4 32.5 48.7
54 57.7 48.2 72.2



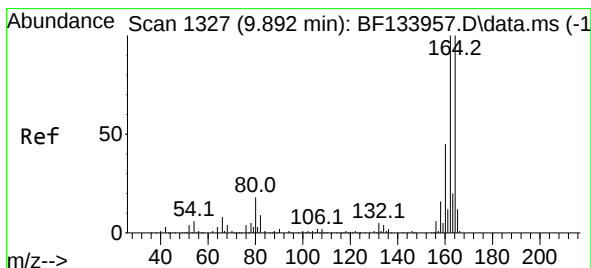
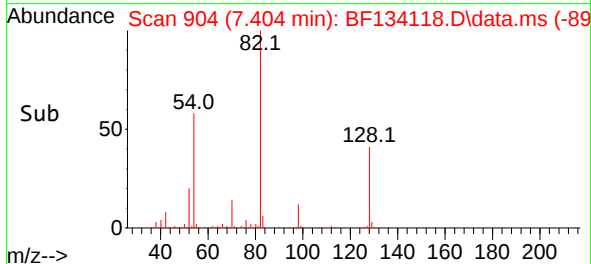
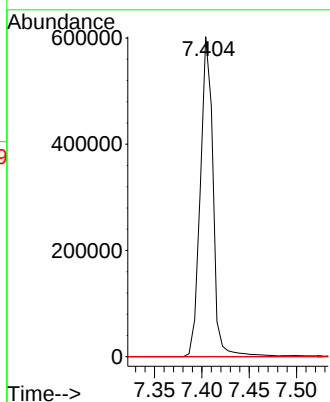


#25
Isophorone
Concen: 37.341 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

Instrument :
BNA_F
ClientSampleId :

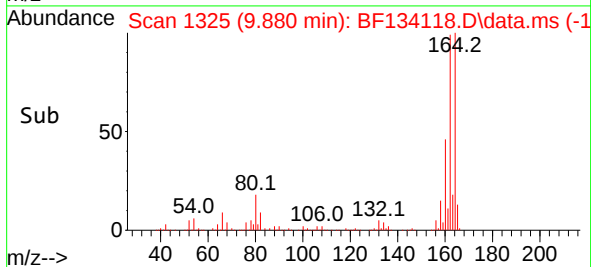
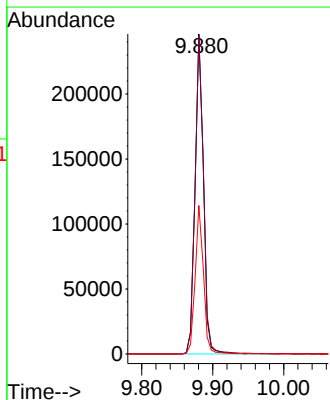
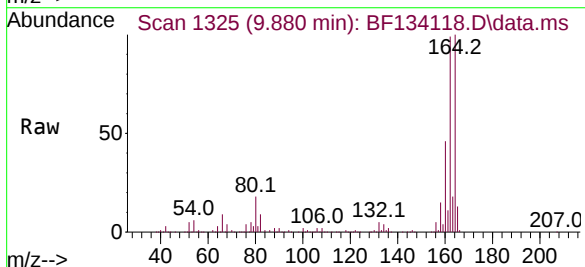


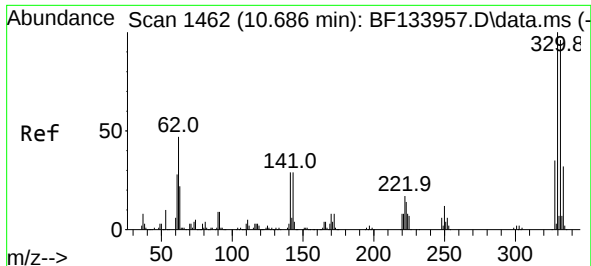
Tgt Ion: 82 Resp: 562881
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

Tgt Ion:164 Resp: 203176
Ion Ratio Lower Upper
164 100
162 99.3 80.0 120.0
160 46.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 93.622 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.012 min

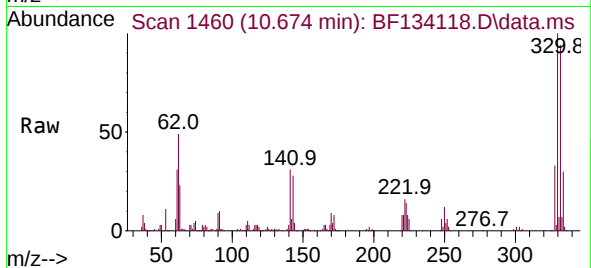
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Acq: 07 Jul 2023 03:02

Instrument :

BNA_F

ClientSampleId :



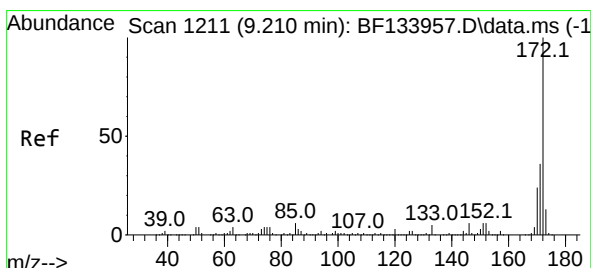
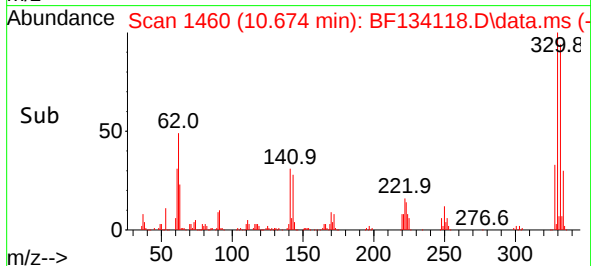
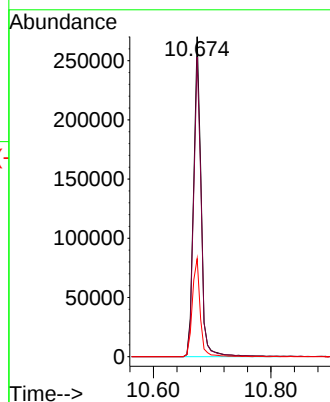
Tgt Ion:330 Resp: 238494

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

141 32.3 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 68.555 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134118.D

Acq: 07 Jul 2023 03:02

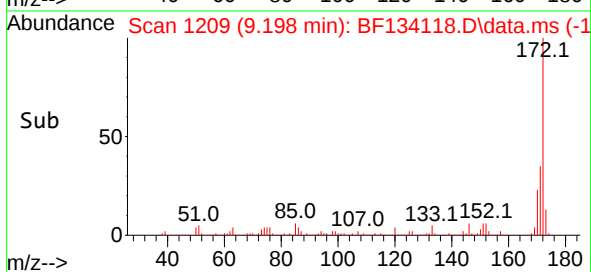
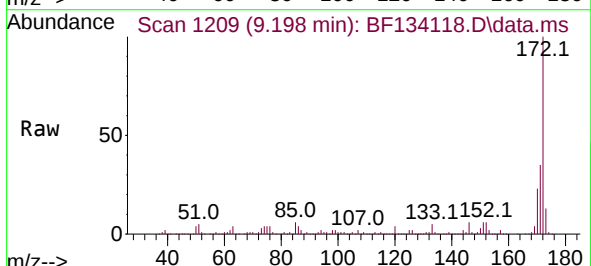
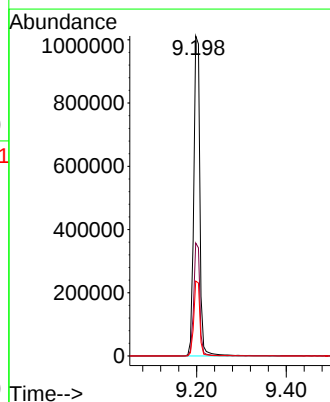
Tgt Ion:172 Resp: 958035

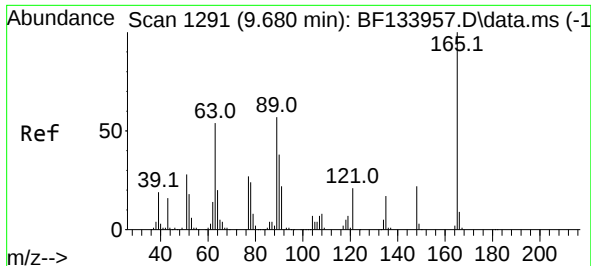
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.4 19.4 29.0

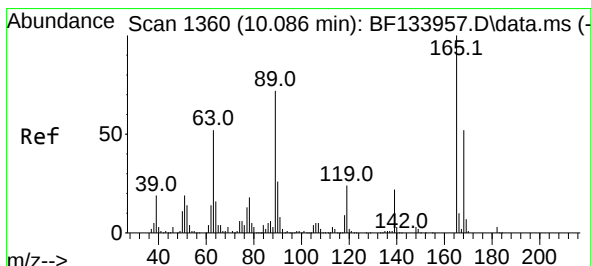
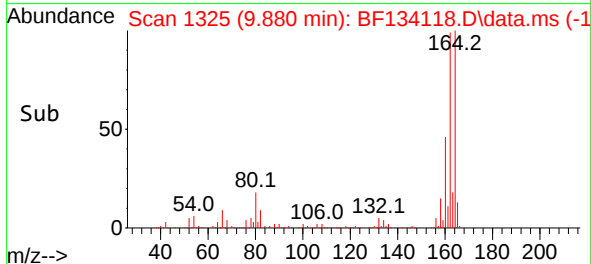
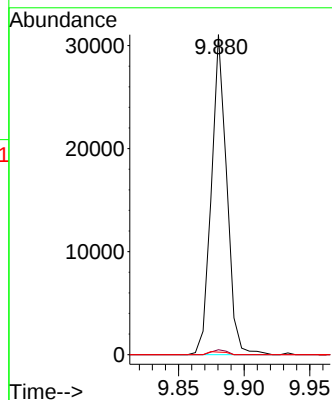
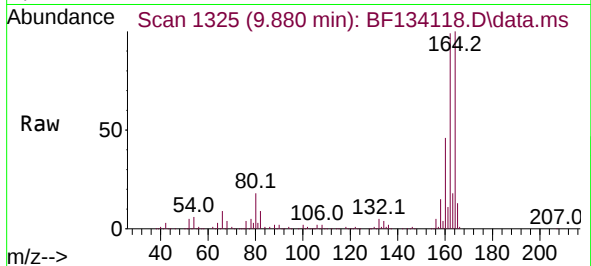




#51
2,6-Dinitrotoluene
Concen: 7.976 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

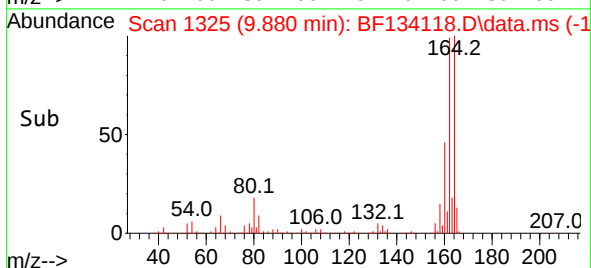
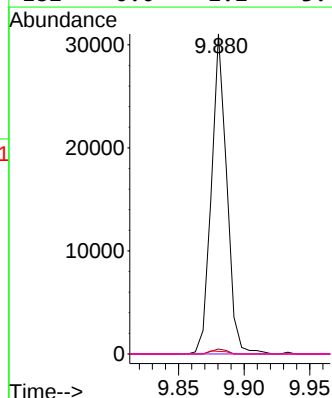
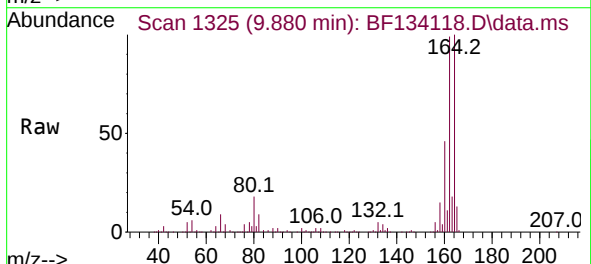
Instrument :
BNA_F
ClientSampleId :

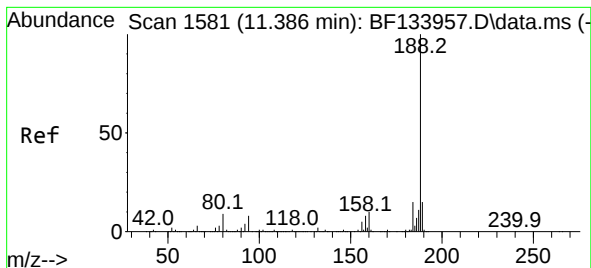
Tgt Ion:165 Resp: 25338
Ion Ratio Lower Upper
165 100
63 1.5 48.5 72.7#
89 0.8 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.040 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

Tgt Ion:165 Resp: 25338
Ion Ratio Lower Upper
165 100
63 1.5 42.2 63.2#
89 0.8 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134118.D

Acq: 07 Jul 2023 03:02

Instrument :

BNA_F

ClientSampleId :

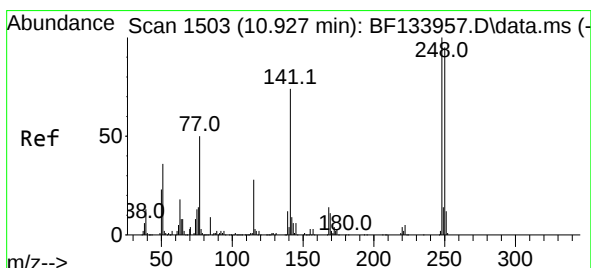
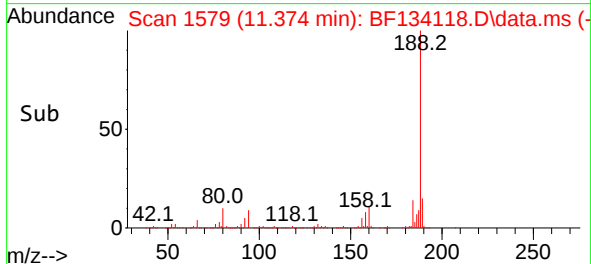
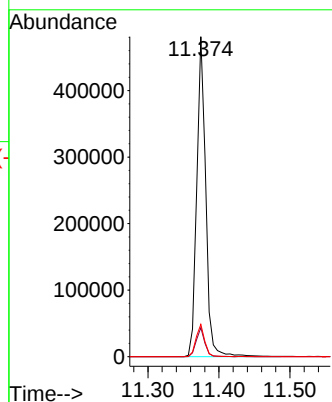
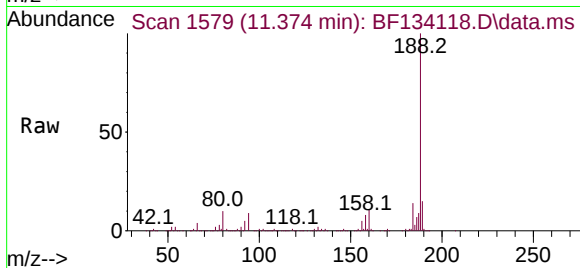
Tgt Ion:188 Resp: 423724

Ion Ratio Lower Upper

188 100

94 9.0 6.4 9.6

80 10.1 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.215 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.253 min

Lab File: BF134118.D

Acq: 07 Jul 2023 03:02

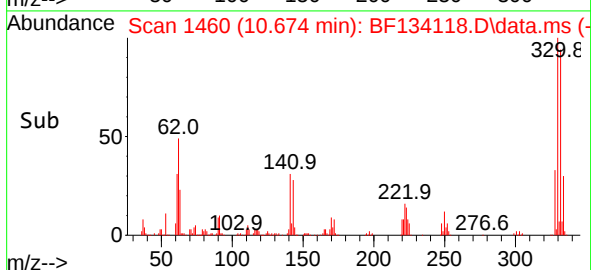
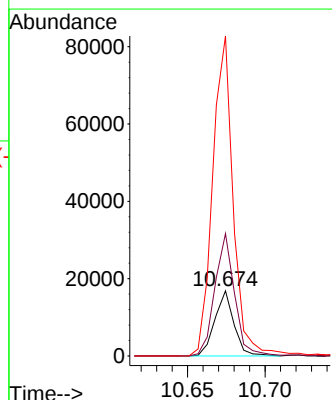
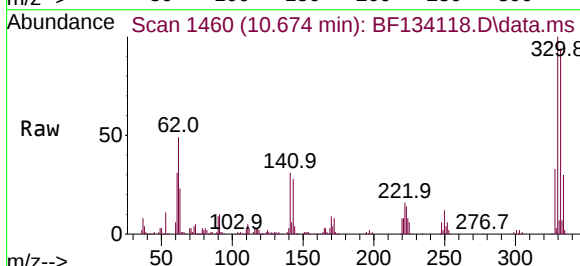
Tgt Ion:248 Resp: 14481

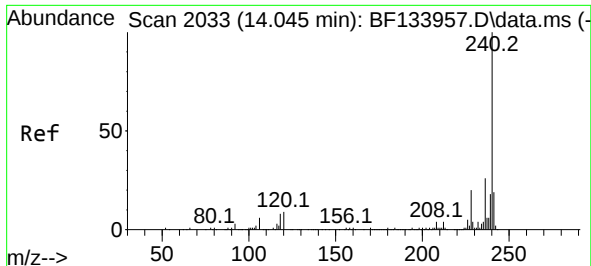
Ion Ratio Lower Upper

248 100

250 187.7 76.2 114.4#

141 490.9 59.0 88.4#

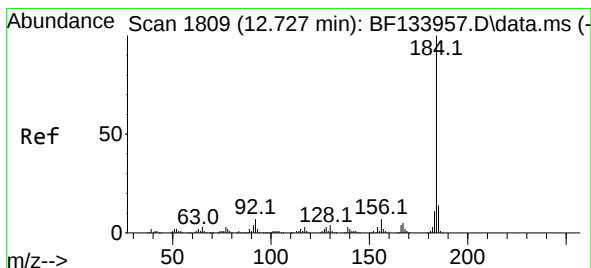
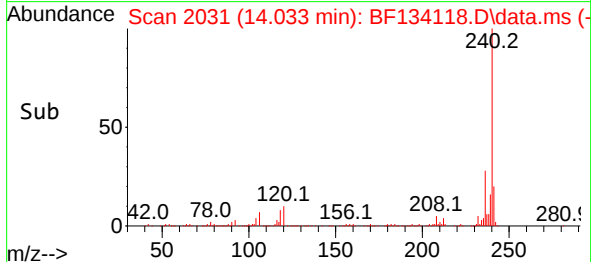
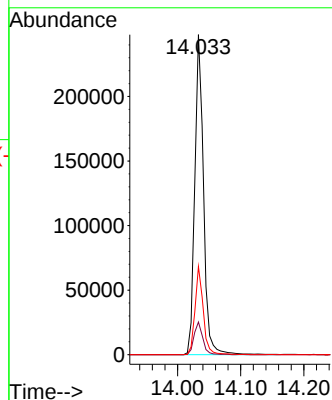
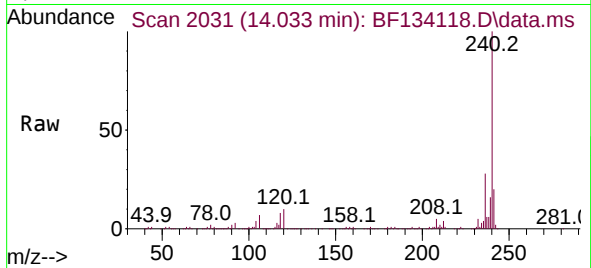




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

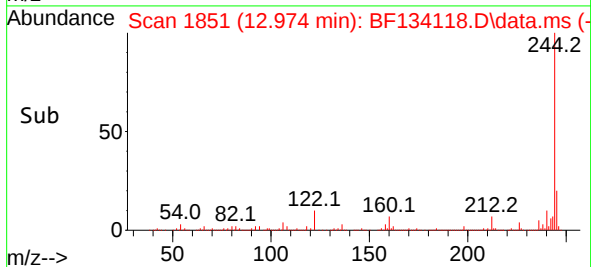
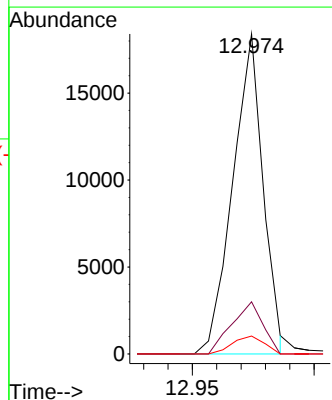
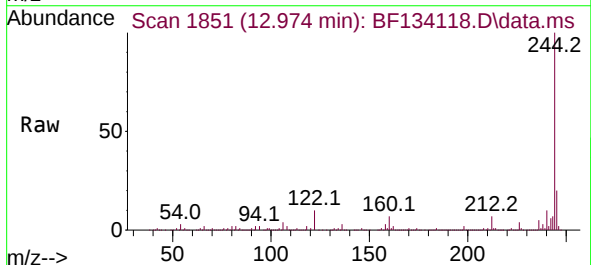
Instrument :
BNA_F
ClientSampleId :

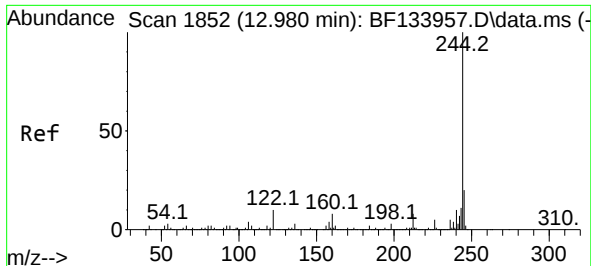
Tgt Ion:240 Resp: 238925
Ion Ratio Lower Upper
240 100
120 10.2 7.4 11.0
236 27.6 21.0 31.6



#77
Benzidine
Concen: 2.801 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF134118.D
Acq: 07 Jul 2023 03:02

Tgt Ion:184 Resp: 15922
Ion Ratio Lower Upper
184 100
185 16.3 11.6 17.4
183 5.6 8.8 13.2#

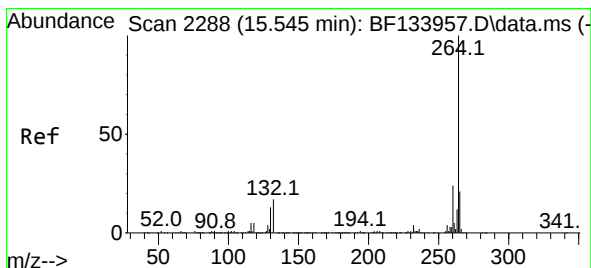
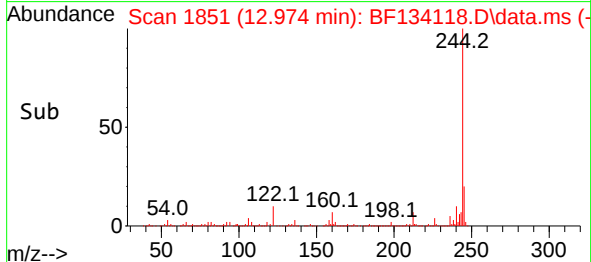
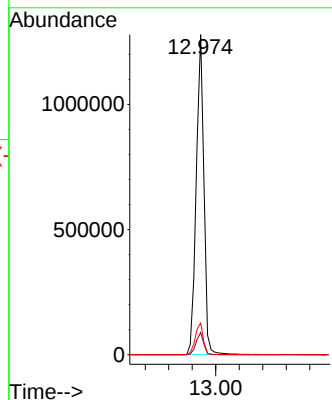
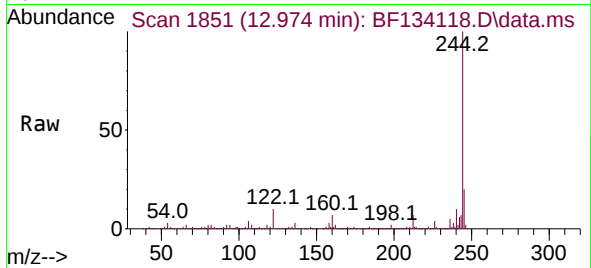




#79
 Terphenyl-d14
 Concen: 78.438 ng
 RT: 12.974 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134118.D
 Acq: 07 Jul 2023 03:02

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:244 Resp: 1164446
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.9 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2287
 Delta R.T. -0.012 min
 Lab File: BF134118.D
 Acq: 07 Jul 2023 03:02

Tgt Ion:264 Resp: 206468
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.5 29.3
 265 20.1 16.6 25.0

