

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133980.D
 Acq On : 27 Jun 2023 08:30
 Operator : CG\JU
 Sample : 03336-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Jun 27 08:50:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

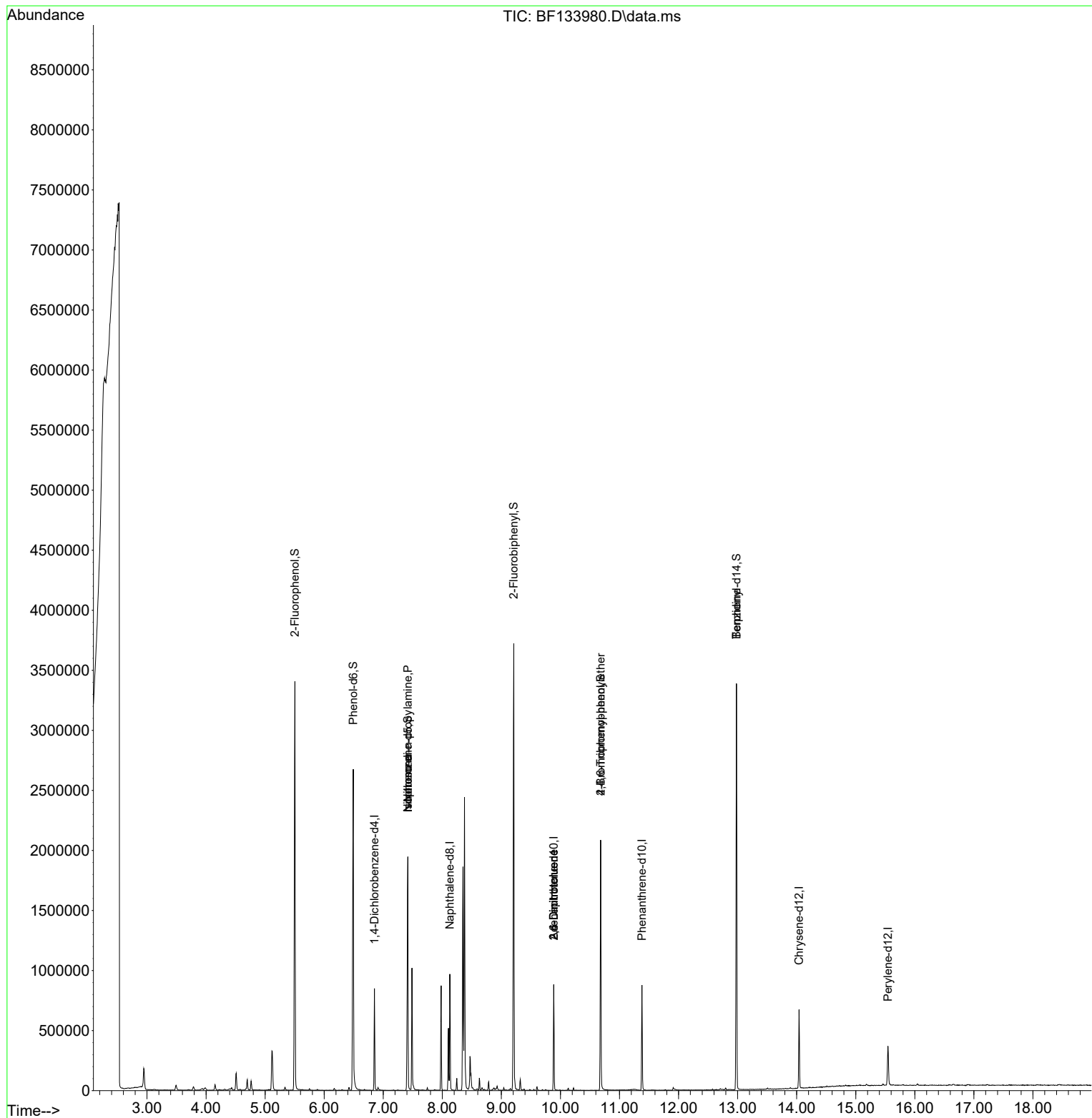
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	106399	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	389434	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	158970	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	302432	20.000	ng	0.00
76) Chrysene-d12	14.039	240	204749	20.000	ng	0.00
86) Perylene-d12	15.545	264	157617	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	896390	140.927	ng	0.02
7) Phenol-d6	6.492	99	888931	113.640	ng	0.00
23) Nitrobenzene-d5	7.416	82	603519	83.539	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	236086	118.448	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1072366	98.075	ng	0.00
79) Terphenyl-d14	12.980	244	1177925	92.590	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	73	Below Cal	#	48
19) n-Nitroso-di-n-propyla...	7.416	70	85751	17.286	ng	# 78
25) Isophorone	7.416	82	603507	45.965	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	21503	8.652	ng	# 23
57) 2,4-Dinitrotoluene	9.886	165	21503	6.551	ng	# 22
67) 4-Bromophenyl-phenylether	10.680	248	14288	4.445	ng	# 1
77) Benizidine	12.980	184	16651	3.418	ng	# 91

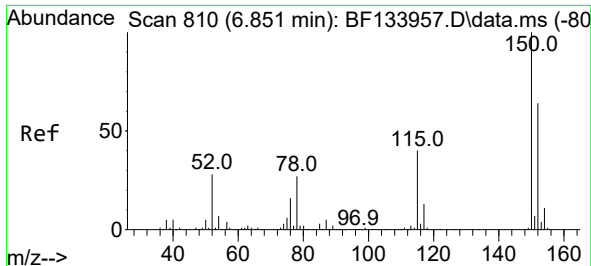
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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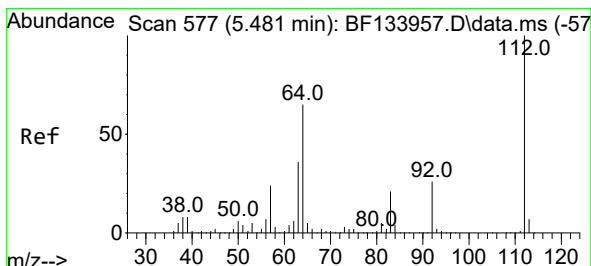
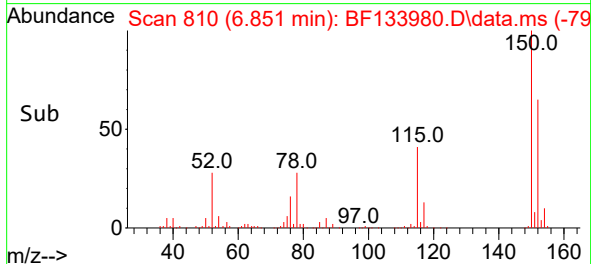
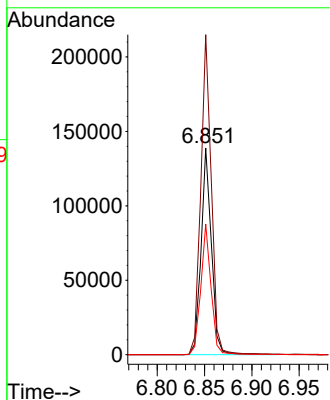
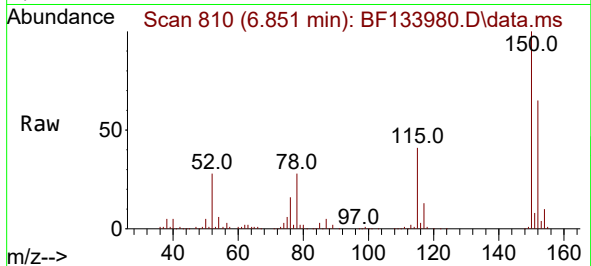




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

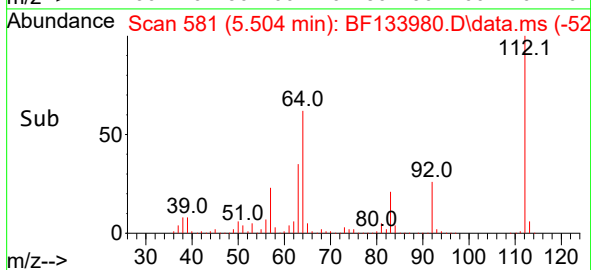
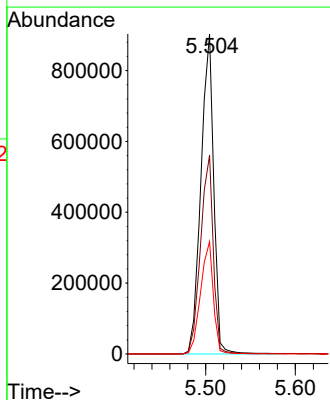
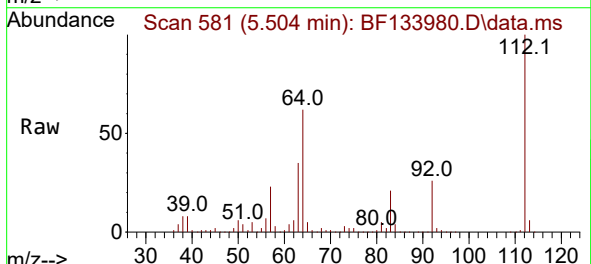
Instrument :
BNA_F
ClientSampleId :
WC-5

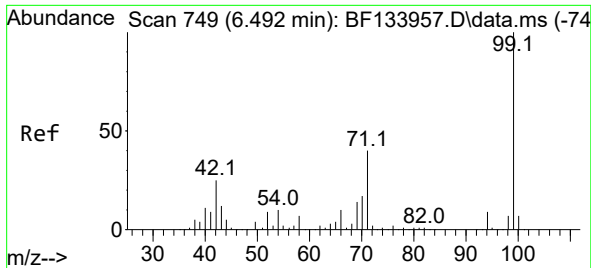
Tgt Ion:152 Resp: 106399
Ion Ratio Lower Upper
152 100
150 154.8 124.5 186.7
115 63.2 50.2 75.2



#5
2-Fluorophenol
Concen: 140.927 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.024 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Tgt Ion:112 Resp: 896390
Ion Ratio Lower Upper
112 100
64 62.1 52.1 78.1
63 35.1 28.6 42.8

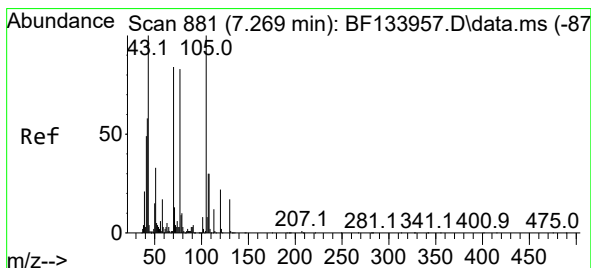
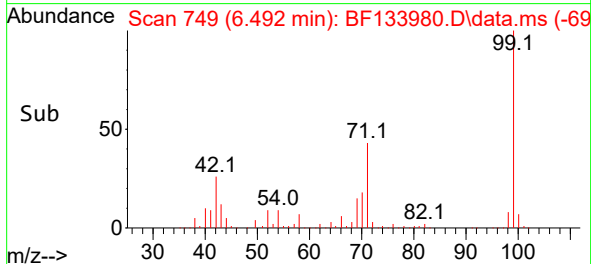
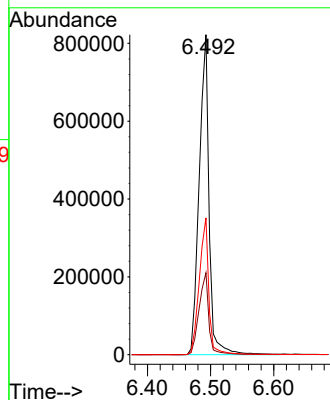
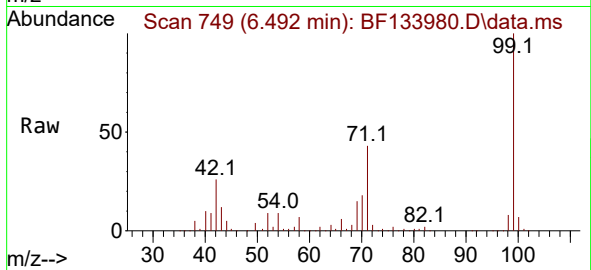




#7
Phenol-d6
Concen: 113.640 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

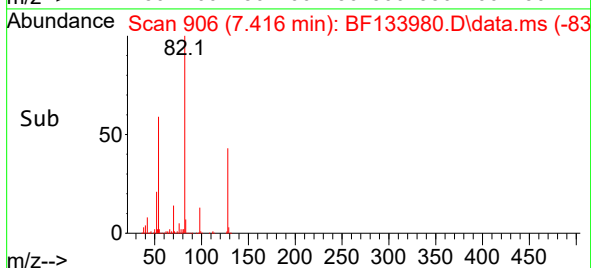
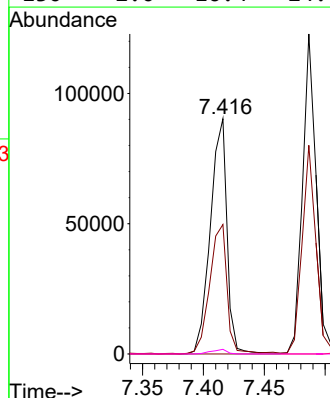
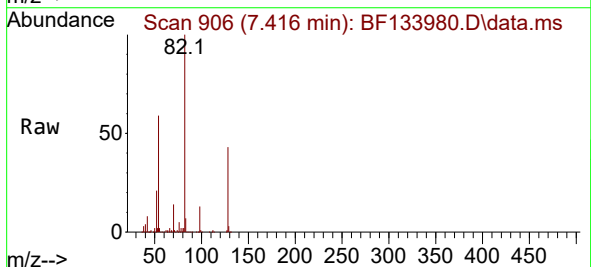
Instrument :
BNA_F
ClientSampleId :
WC-5

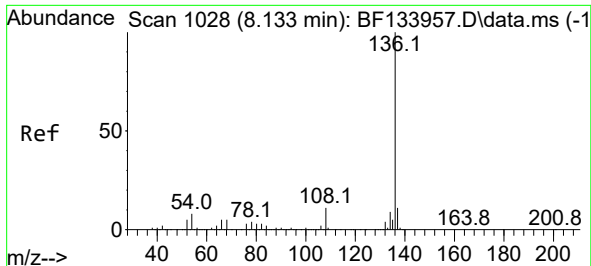
Tgt Ion: 99 Resp: 888931
Ion Ratio Lower Upper
99 100
42 25.6 19.8 29.6
71 42.8 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 17.286 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Tgt Ion: 70 Resp: 85751
Ion Ratio Lower Upper
70 100
42 55.1 54.7 82.1
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#



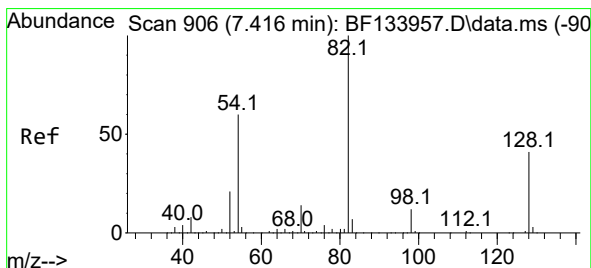
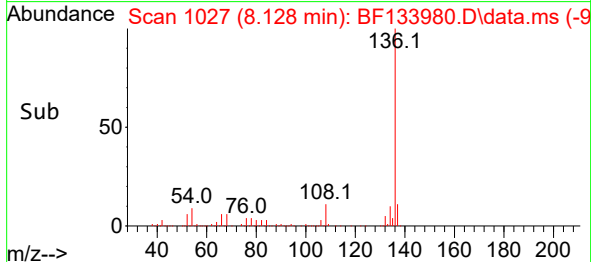
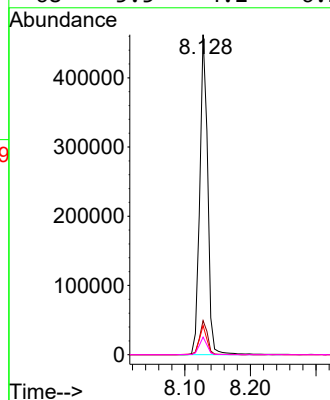
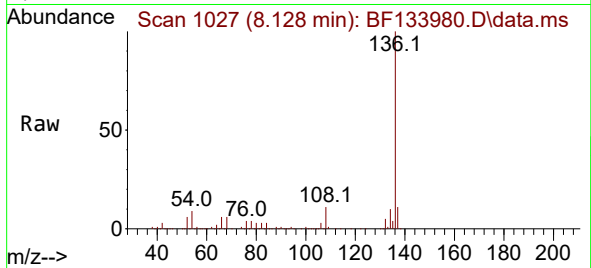


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:136 Resp: 389434

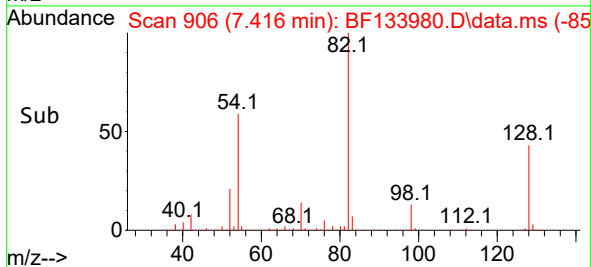
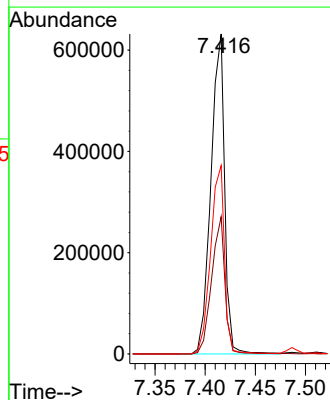
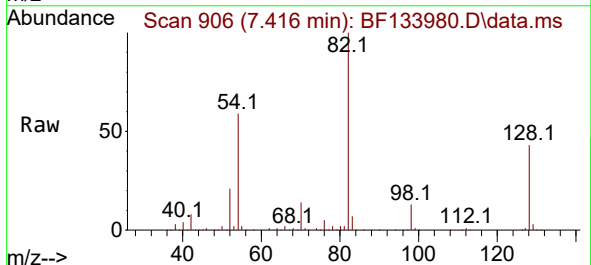
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.1	6.5	9.7
68	5.5	4.2	6.2

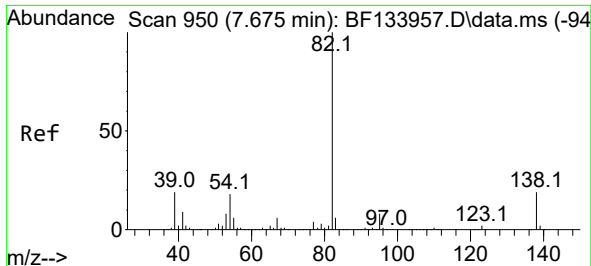


#23
Nitrobenzene-d5
Concen: 83.539 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Tgt Ion: 82 Resp: 603519

Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.5	48.7
54	58.8	48.2	72.2

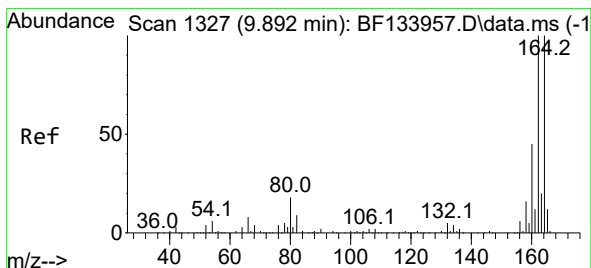
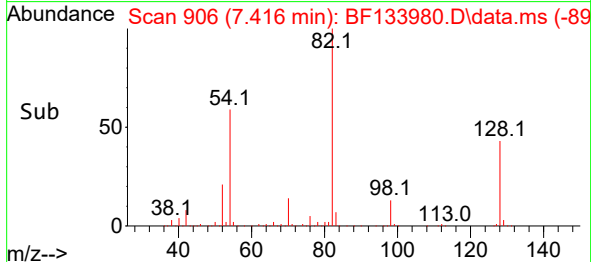
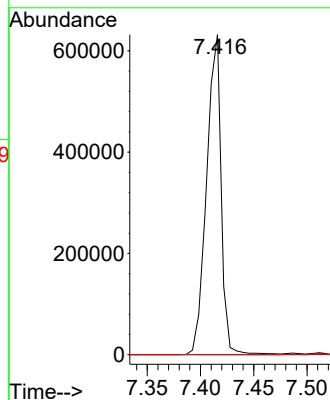
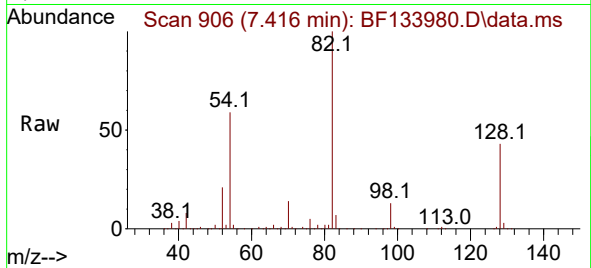




#25
Isophorone
Concen: 45.965 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

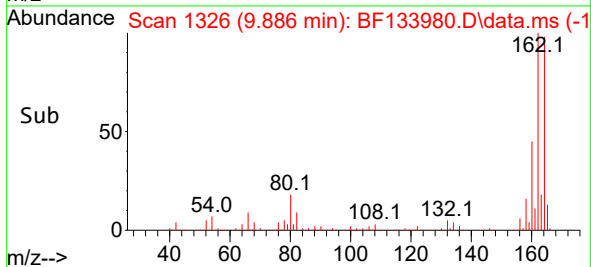
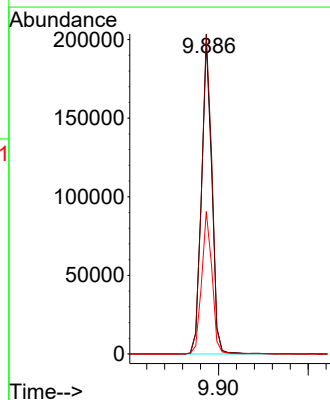
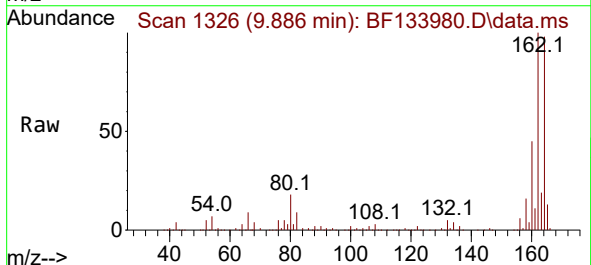
Instrument :
BNA_F
ClientSampleId :
WC-5

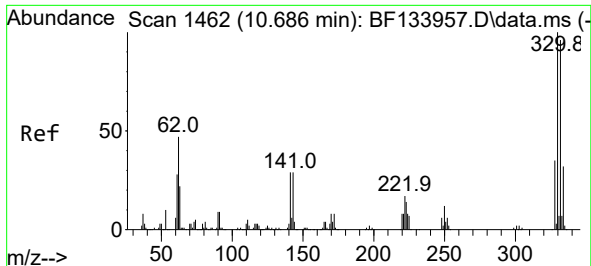
Tgt Ion: 82 Resp: 603507
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Tgt Ion:164 Resp: 158970
Ion Ratio Lower Upper
164 100
162 102.5 80.0 120.0
160 45.6 35.9 53.9

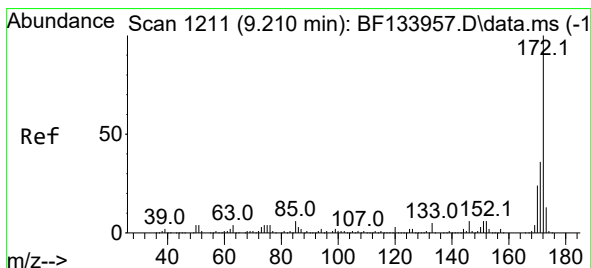
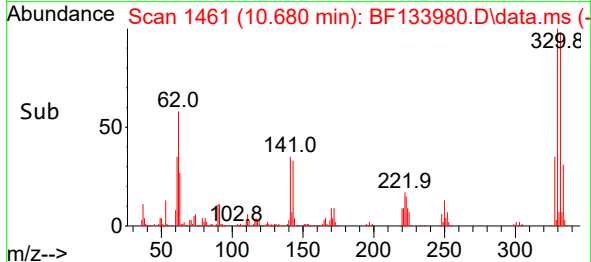
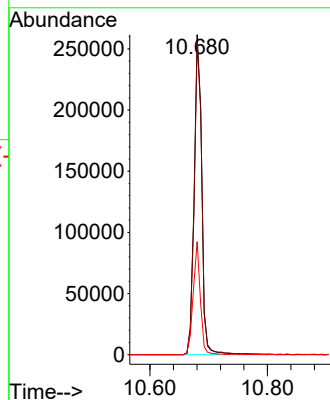
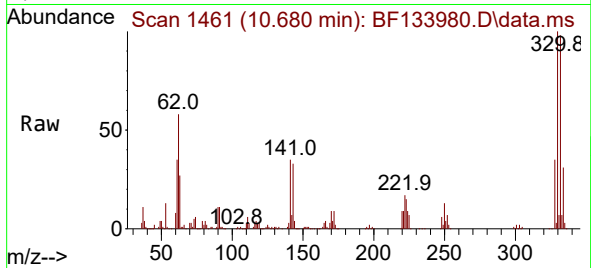




#42
2,4,6-Tribromophenol
Concen: 118.448 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

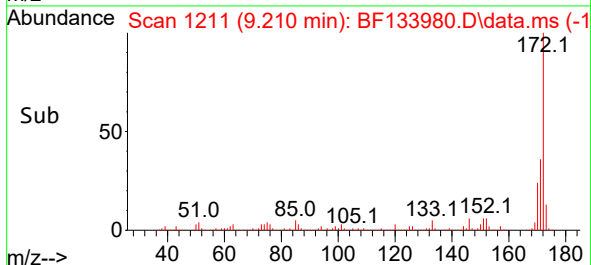
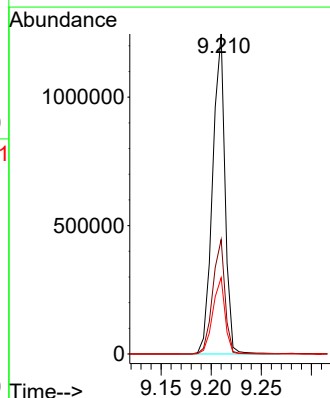
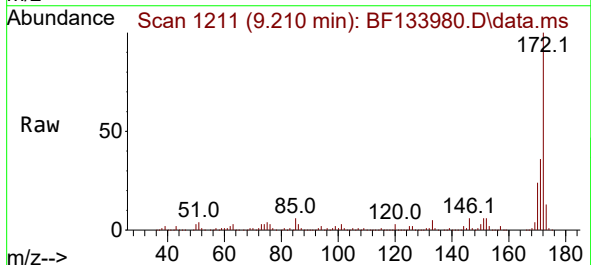
Instrument :
BNA_F
ClientSampleId :
WC-5

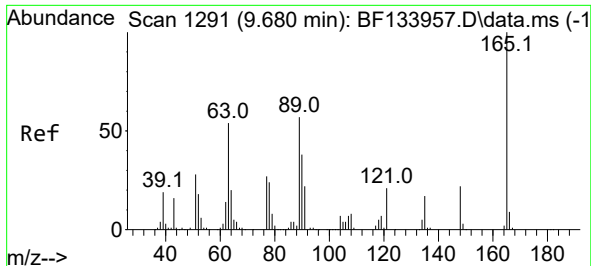
Tgt Ion: 330 Resp: 236086
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 32.9 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 98.075 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Tgt Ion: 172 Resp: 1072366
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.9 19.4 29.0

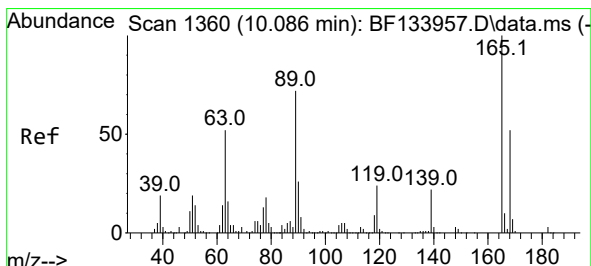
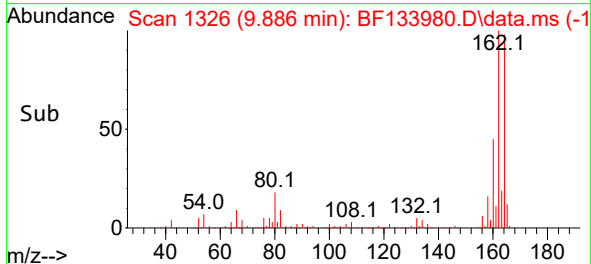
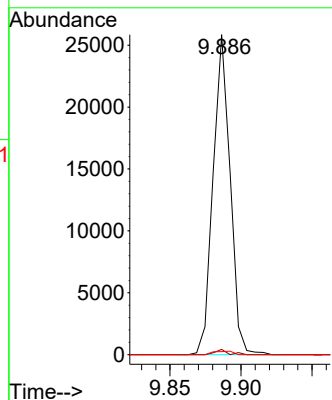
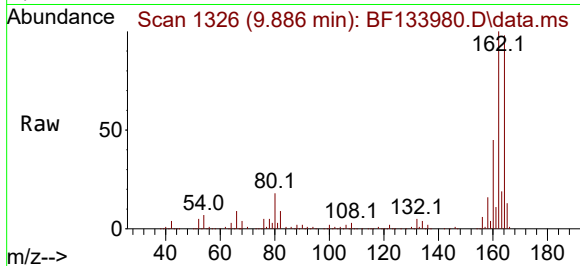




#51
2,6-Dinitrotoluene
Concen: 8.652 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

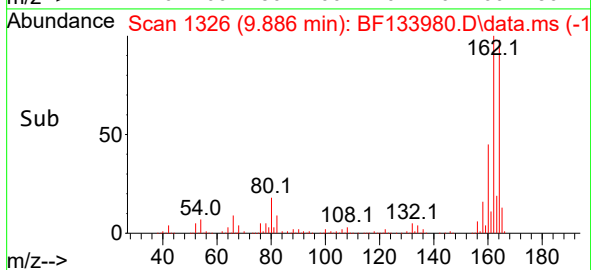
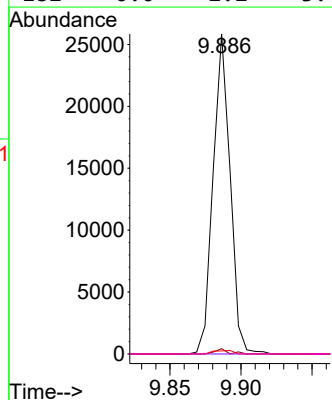
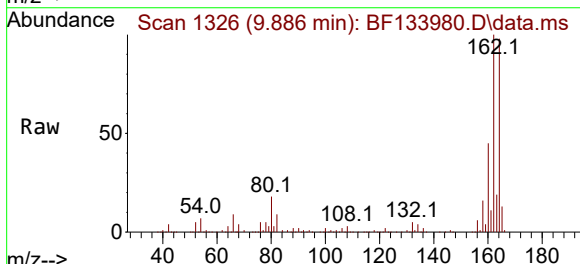
Instrument :
BNA_F
ClientSampleId :
WC-5

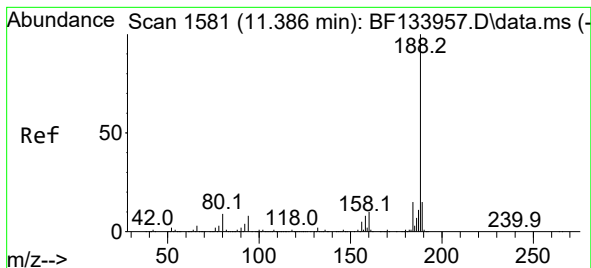
Tgt Ion:165 Resp: 21503
Ion Ratio Lower Upper
165 100
63 1.6 48.5 72.7#
89 1.0 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.551 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Tgt Ion:165 Resp: 21503
Ion Ratio Lower Upper
165 100
63 1.6 42.2 63.2#
89 1.0 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133980.D

Acq: 27 Jun 2023 08:30

Instrument :

BNA_F

ClientSampleId :

WC-5

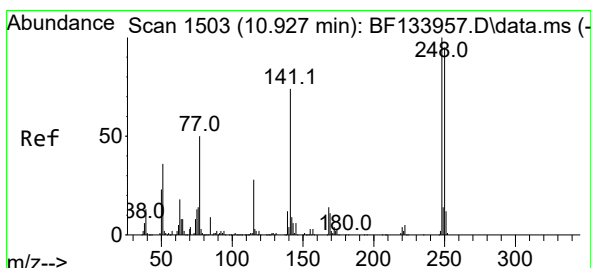
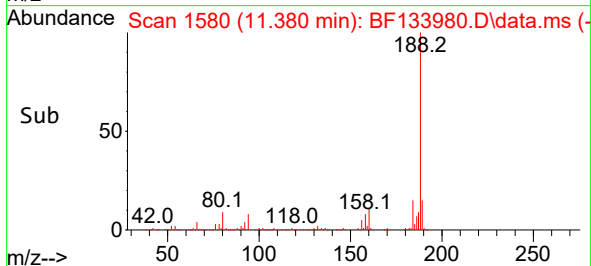
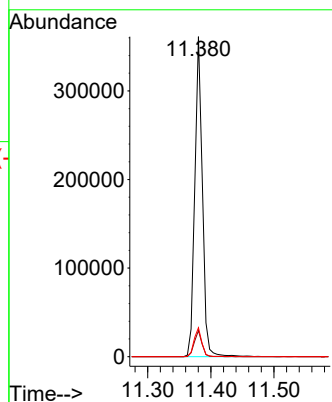
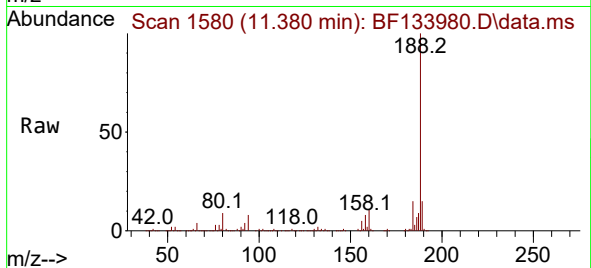
Tgt Ion:188 Resp: 302432

Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.445 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.247 min

Lab File: BF133980.D

Acq: 27 Jun 2023 08:30

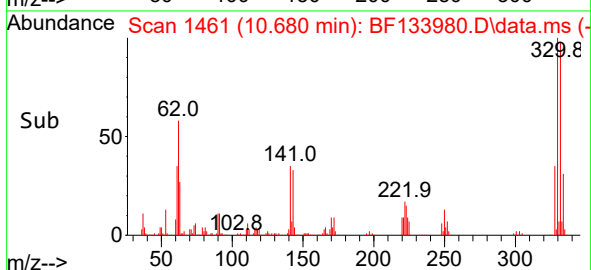
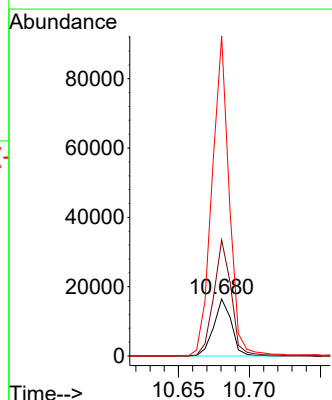
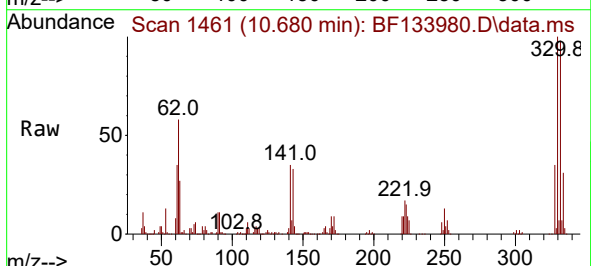
Tgt Ion:248 Resp: 14288

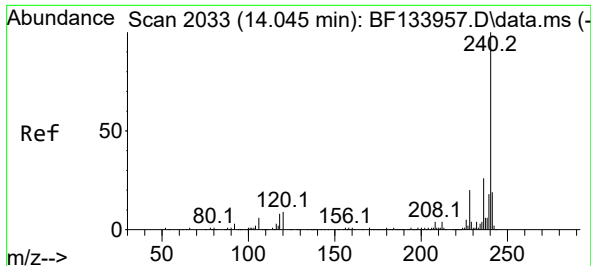
Ion Ratio Lower Upper

248 100

250 203.7 76.2 114.4#

141 562.0 59.0 88.4#

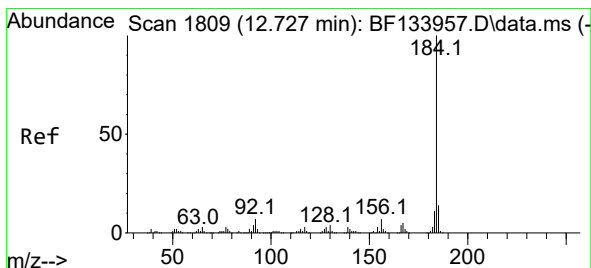
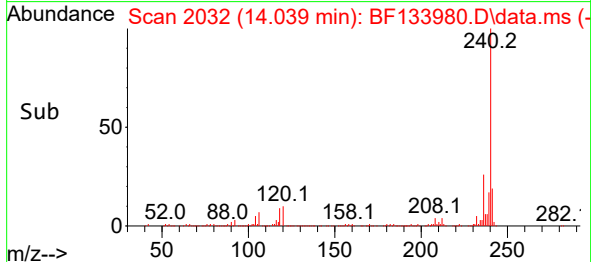
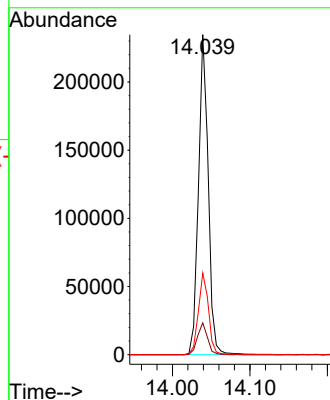
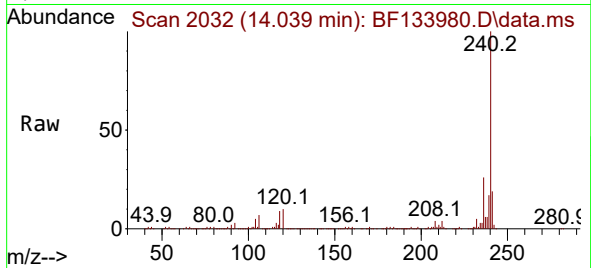




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

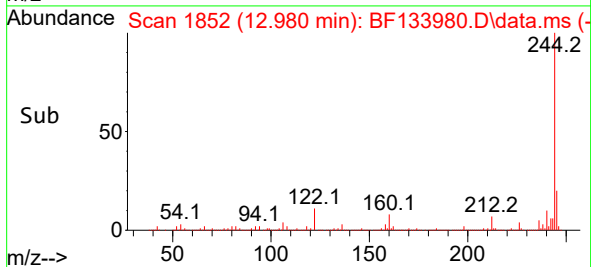
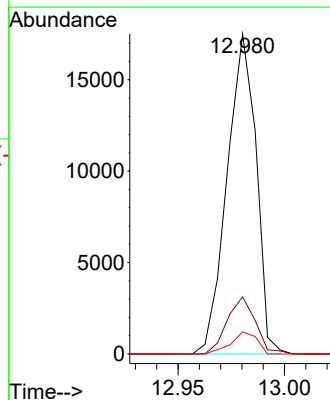
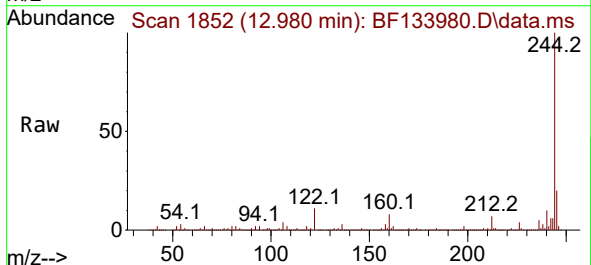
Instrument :
BNA_F
ClientSampleId :
WC-5

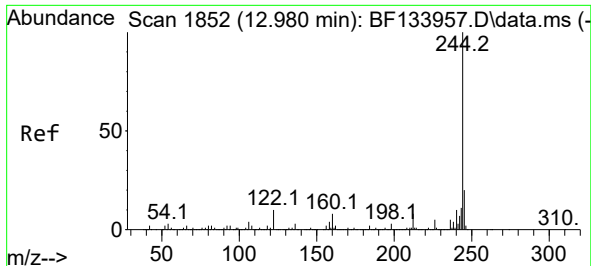
Tgt Ion:240 Resp: 204749
Ion Ratio Lower Upper
240 100
120 9.9 7.4 11.0
236 25.5 21.0 31.6



#77
Benzidine
Concen: 3.418 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF133980.D
Acq: 27 Jun 2023 08:30

Tgt Ion:184 Resp: 16651
Ion Ratio Lower Upper
184 100
185 17.9 11.6 17.4#
183 6.9 8.8 13.2#

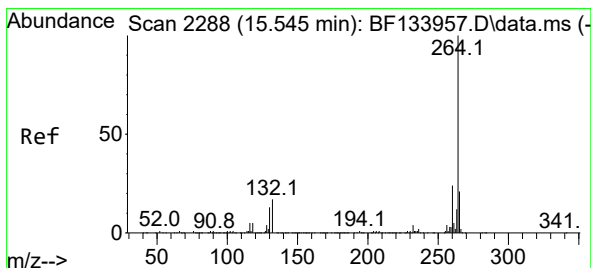
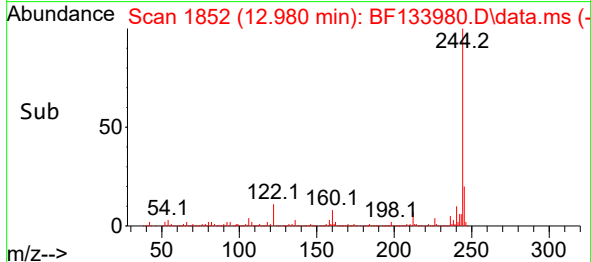
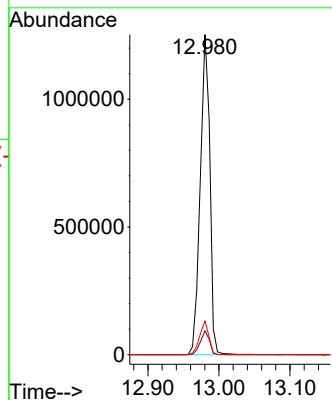
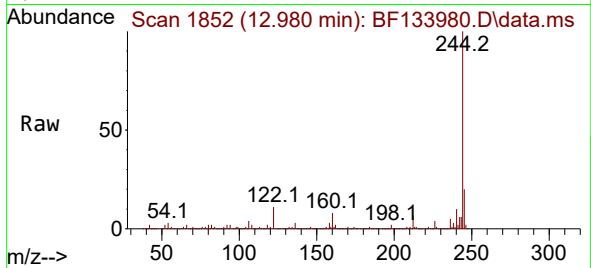




#79
 Terphenyl-d14
 Concen: 92.590 ng
 RT: 12.980 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133980.D
 Acq: 27 Jun 2023 08:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Tgt Ion:244 Resp: 1177925
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 10.5 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2288
 Delta R.T. 0.000 min
 Lab File: BF133980.D
 Acq: 27 Jun 2023 08:30

Tgt Ion:264 Resp: 157617
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.5 29.3
 265 21.0 16.6 25.0

