

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133979.D
 Acq On : 27 Jun 2023 07:58
 Operator : CG\JU
 Sample : 03336-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jun 27 08:26:08 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)

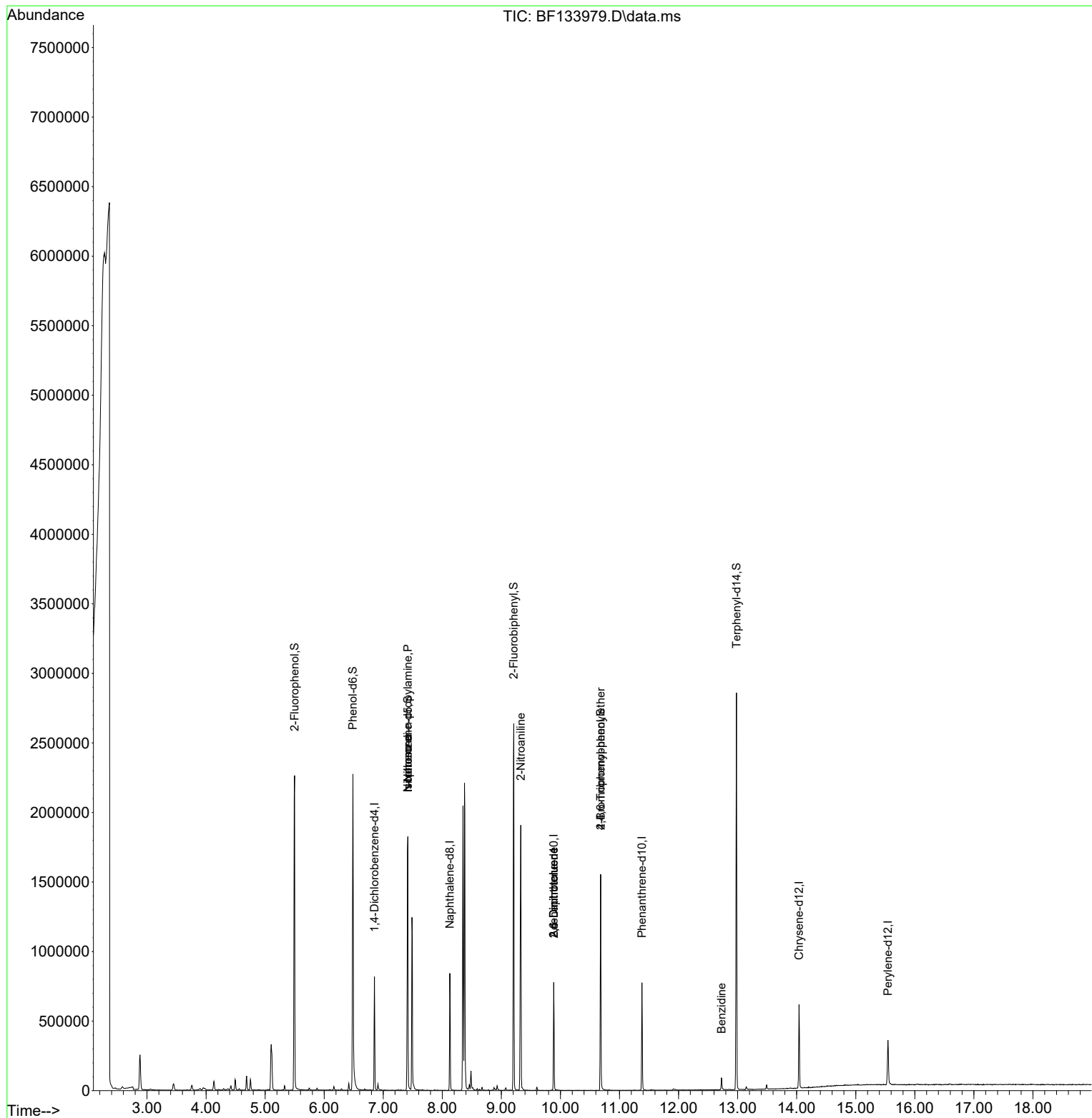
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	107833	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	332749	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	140486	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	266161	20.000	ng	0.00
76) Chrysene-d12	14.039	240	190890	20.000	ng	0.00
86) Perylene-d12	15.545	264	150858	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	606381	94.065	ng	0.02
7) Phenol-d6	6.487	99	756924	95.477	ng	0.00
23) Nitrobenzene-d5	7.416	82	569124	92.198	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	168221	95.503	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	774635	80.167	ng	0.00
79) Terphenyl-d14	12.980	244	931357	78.524	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.416	77	171	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.416	70	79452	15.803	ng	# 76
25) Isophorone	7.416	82	569224	50.739	ng	# 64
48) 2-Nitroaniline	9.328	65	19165	6.378	ng	# 17
51) 2,6-Dinitrotoluene	9.886	165	18482	8.414	ng	# 23
57) 2,4-Dinitrotoluene	9.886	165	18482	6.372	ng	# 22
67) 4-Bromophenyl-phenylether	10.680	248	10347	3.657	ng	# 1
77) Benzidine	12.727	184	32379	7.129	ng	96

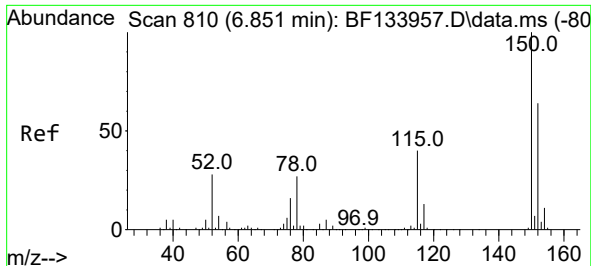
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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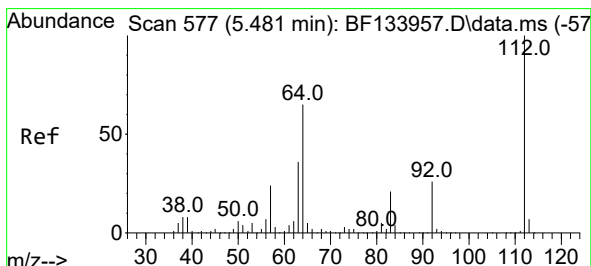
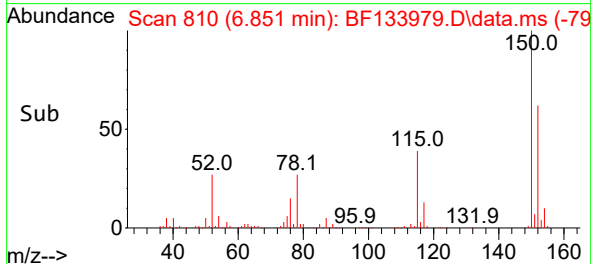
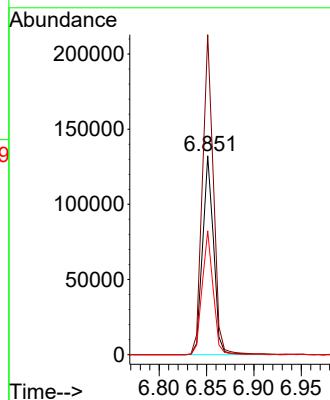
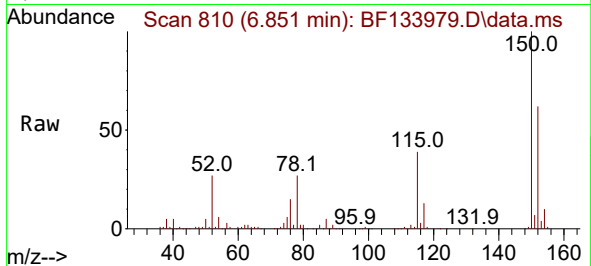




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

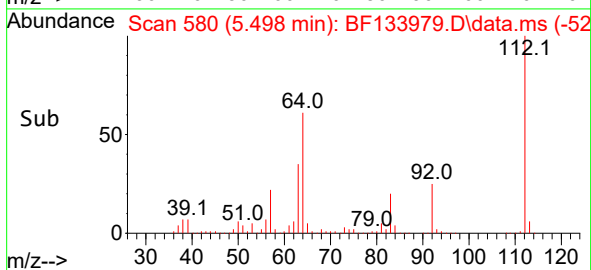
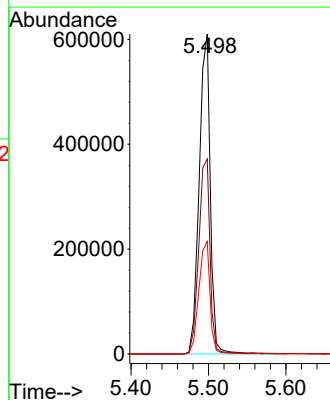
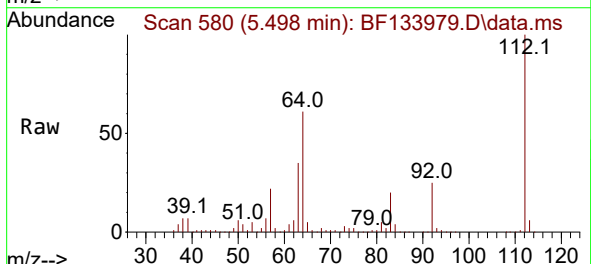
Instrument :
BNA_F
ClientSampleId :
WC-4

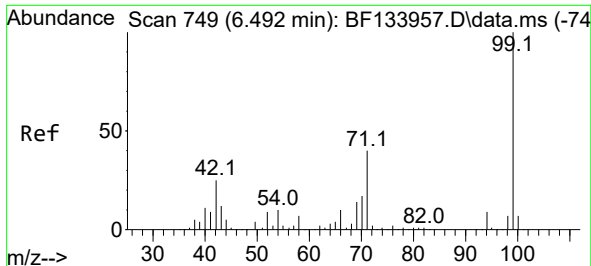
Tgt Ion:152 Resp: 107833
Ion Ratio Lower Upper
152 100
150 160.9 124.5 186.7
115 62.3 50.2 75.2



#5
2-Fluorophenol
Concen: 94.065 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion:112 Resp: 606381
Ion Ratio Lower Upper
112 100
64 60.9 52.1 78.1
63 35.2 28.6 42.8





#7

Phenol-d6

Concen: 95.477 ng

RT: 6.487 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Instrument :

BNA_F

ClientSampleId :

WC-4

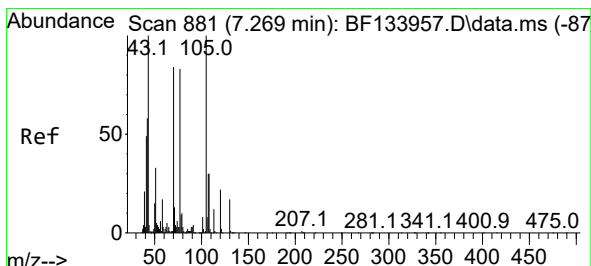
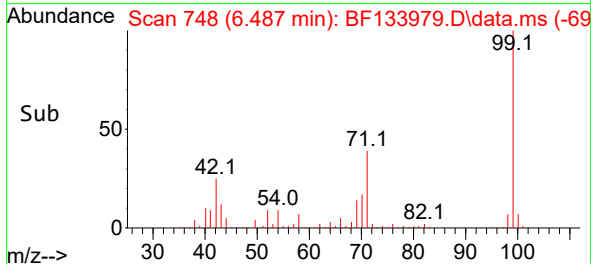
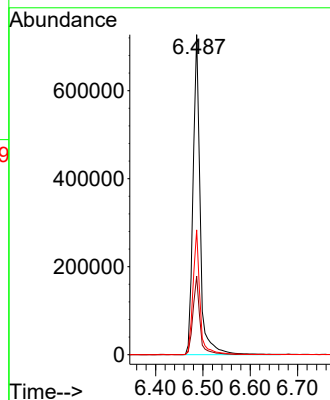
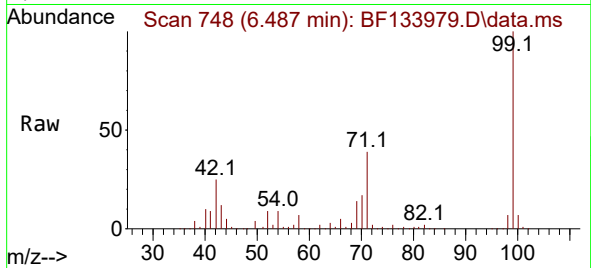
Tgt Ion: 99 Resp: 756924

Ion Ratio Lower Upper

99 100

42 24.6 19.8 29.6

71 39.0 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.803 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.147 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Tgt Ion: 70 Resp: 79452

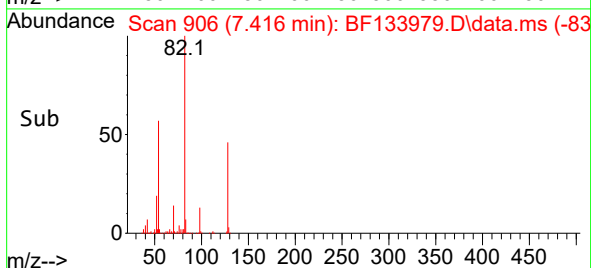
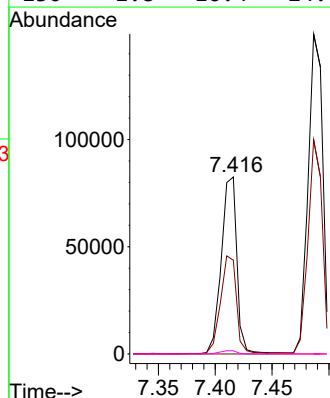
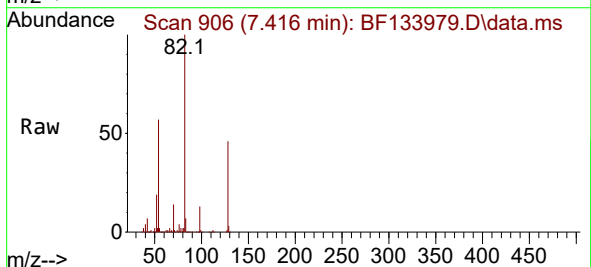
Ion Ratio Lower Upper

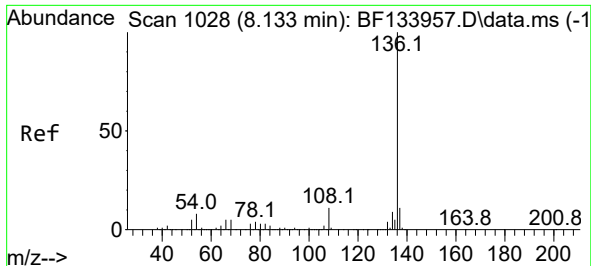
70 100

42 53.0 54.7 82.1#

101 0.0 7.7 11.5#

130 1.8 16.4 24.6#



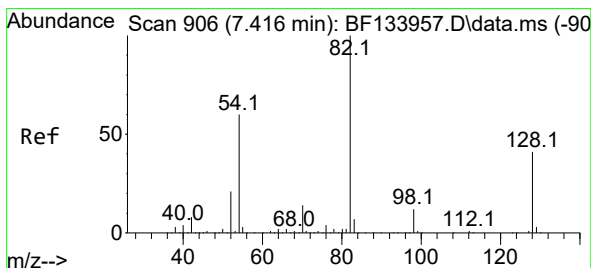
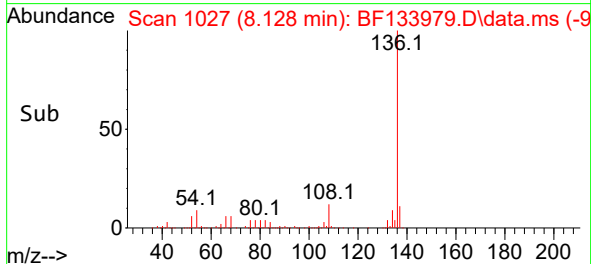
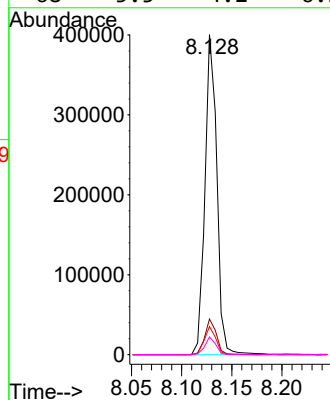
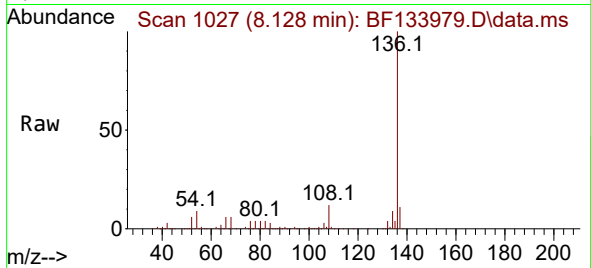


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:136 Resp: 332749

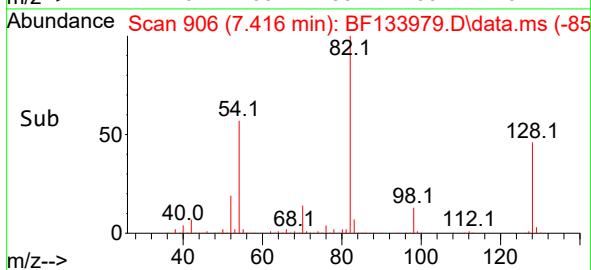
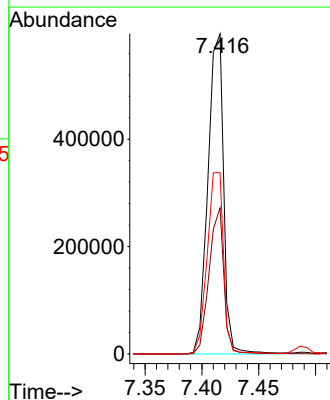
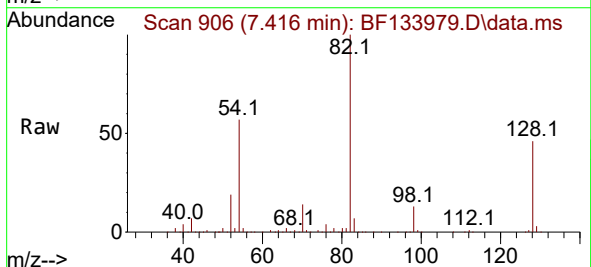
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	8.8	6.5	9.7
68	5.5	4.2	6.2



#23
Nitrobenzene-d5
Concen: 92.198 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion: 82 Resp: 569124

Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.5	48.7
54	56.7	48.2	72.2

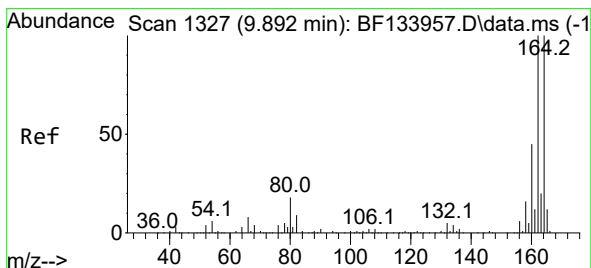
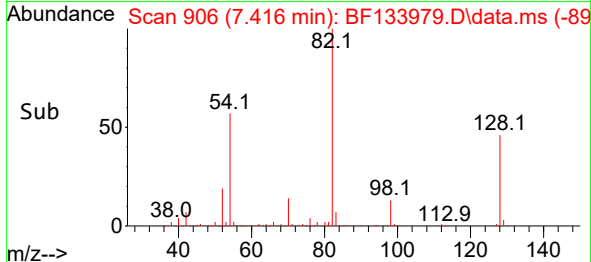
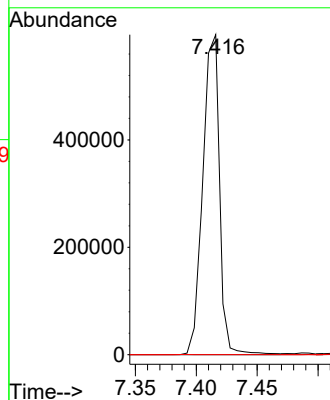
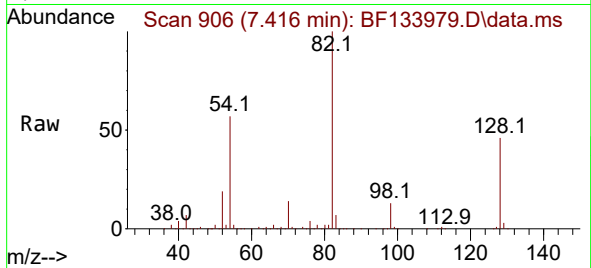




#25
Isophorone
Concen: 50.739 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

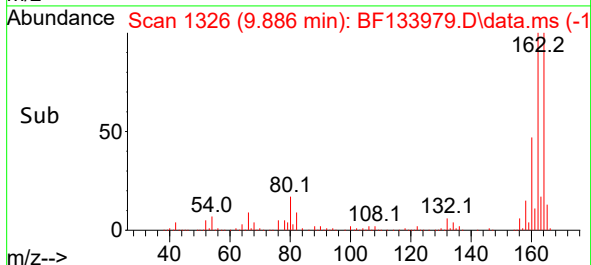
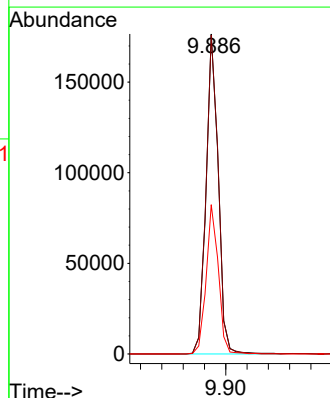
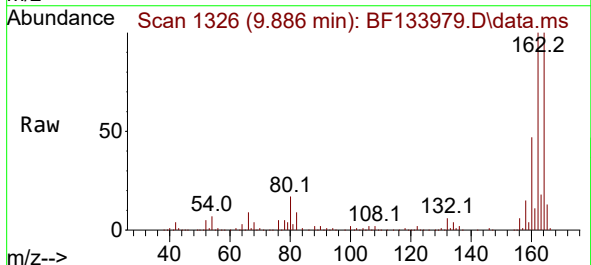
Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 82 Resp: 569224
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: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion:164 Resp: 140486
Ion Ratio Lower Upper
164 100
162 99.6 80.0 120.0
160 46.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 95.503 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Instrument :

BNA_F

ClientSampleId :

WC-4

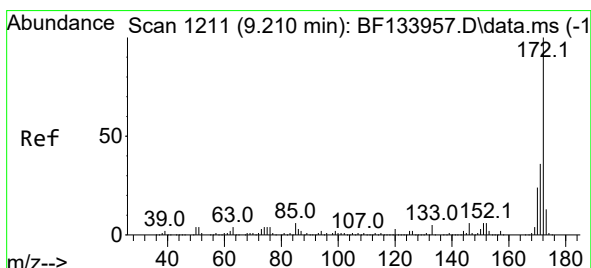
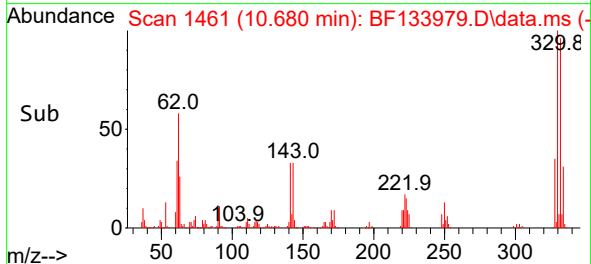
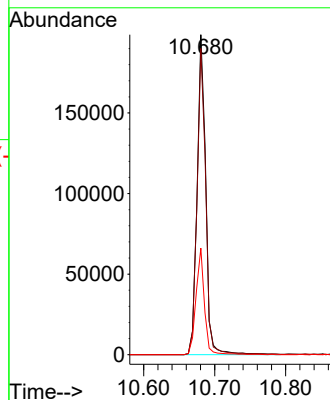
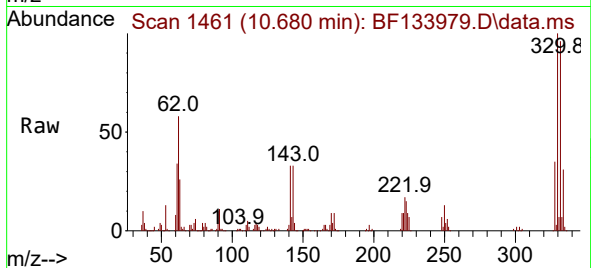
Tgt Ion:330 Resp: 168221

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

141 32.6 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 80.167 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

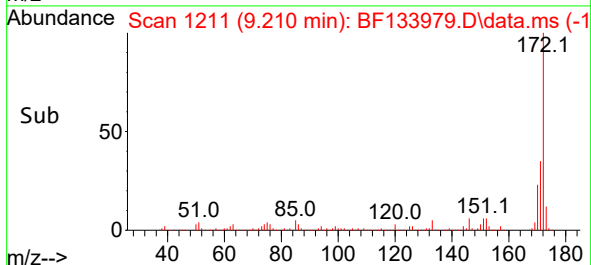
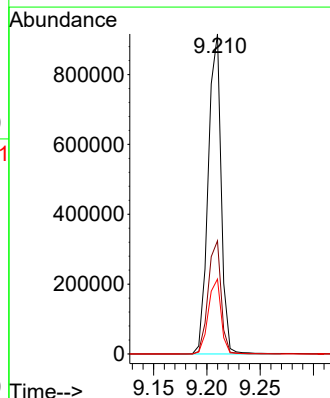
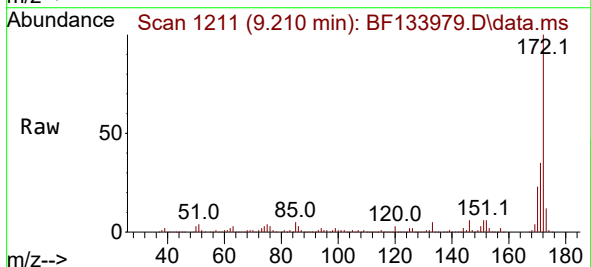
Tgt Ion:172 Resp: 774635

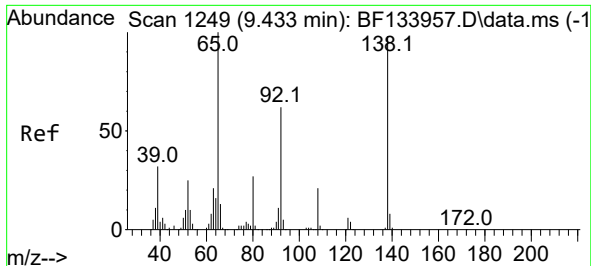
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.4 19.4 29.0





#48

2-Nitroaniline

Concen: 6.378 ng

RT: 9.328 min Scan# 11

Delta R.T. -0.105 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

Instrument :

BNA_F

ClientSampleId :

WC-4

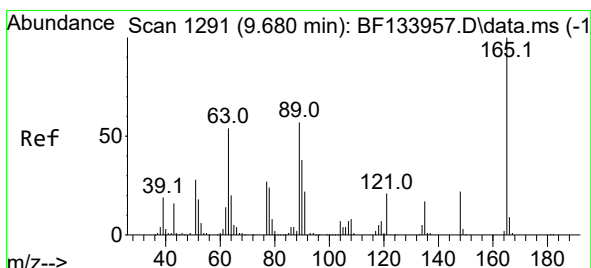
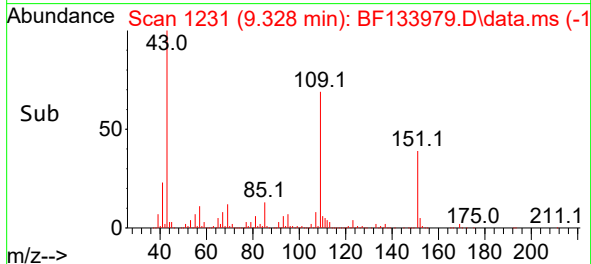
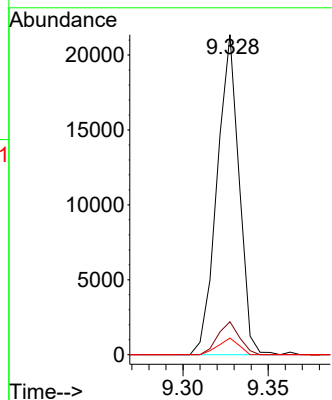
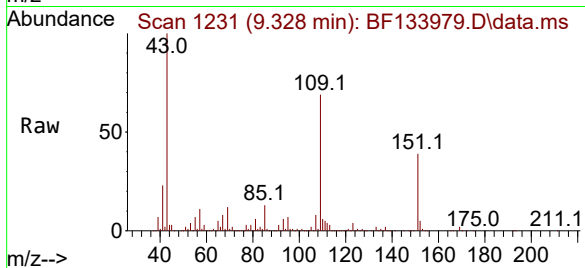
Tgt Ion: 65 Resp: 19165

Ion Ratio Lower Upper

65 100

92 10.3 49.5 74.3#

138 5.2 78.0 117.0#



#51

2,6-Dinitrotoluene

Concen: 8.414 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.206 min

Lab File: BF133979.D

Acq: 27 Jun 2023 07:58

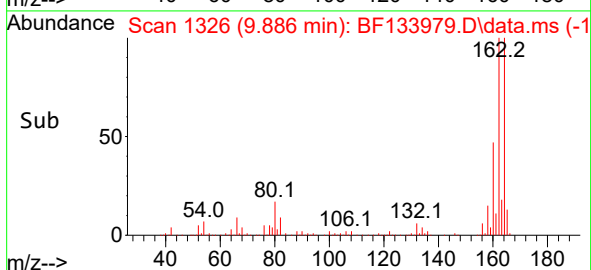
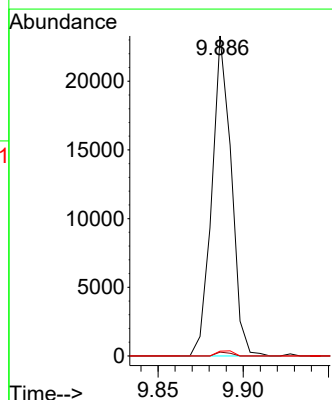
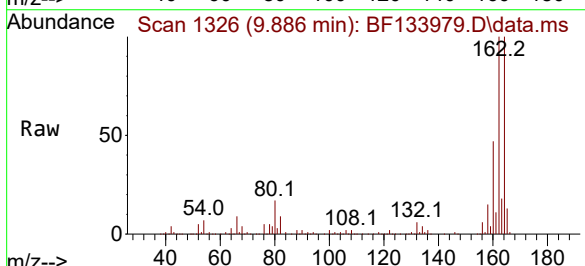
Tgt Ion: 165 Resp: 18482

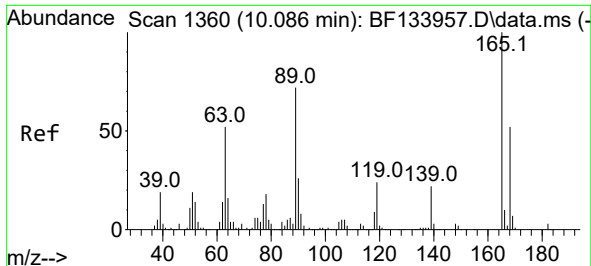
Ion Ratio Lower Upper

165 100

63 1.2 48.5 72.7#

89 1.5 45.5 68.3#

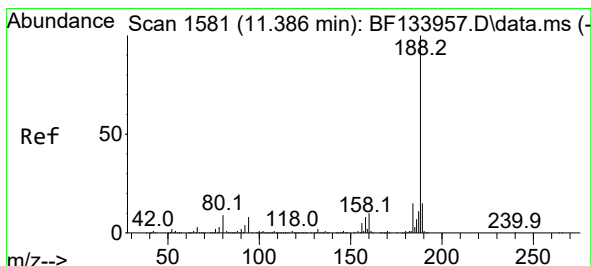
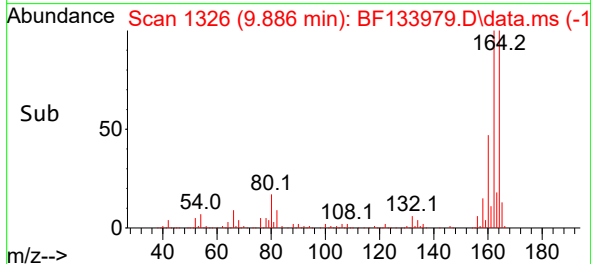
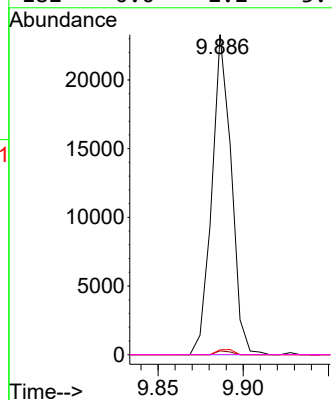
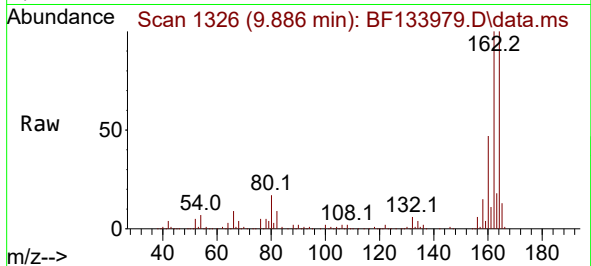




#57
2,4-Dinitrotoluene
Concen: 6.372 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

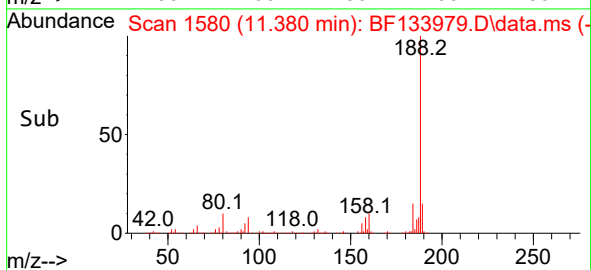
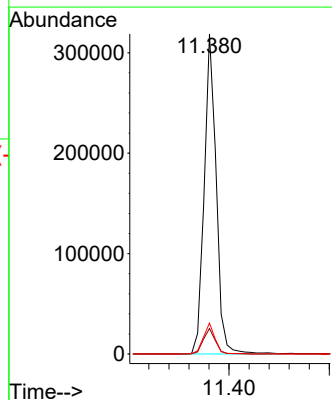
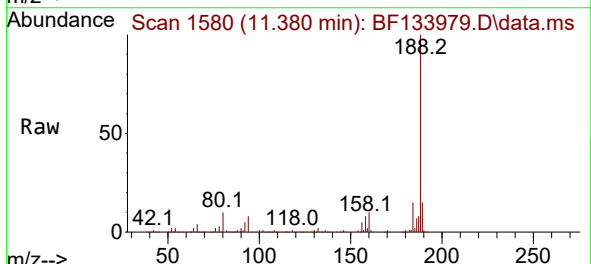
Instrument :
BNA_F
ClientSampleId :
WC-4

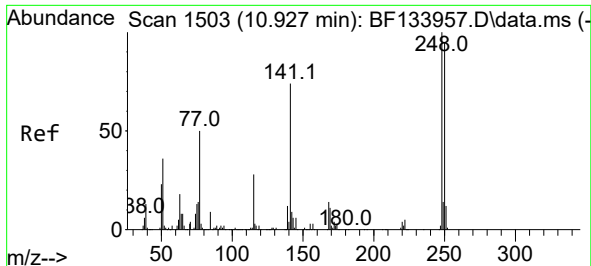
Tgt Ion:165 Resp: 18482
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 1.5 57.4 86.2#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion:188 Resp: 266161
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 9.6 7.3 10.9

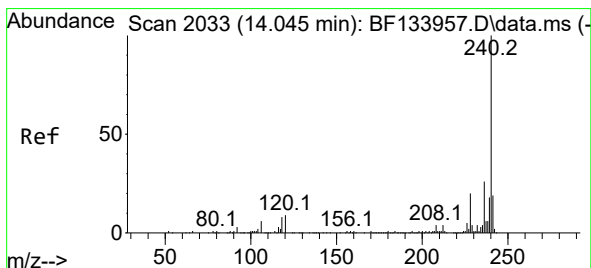
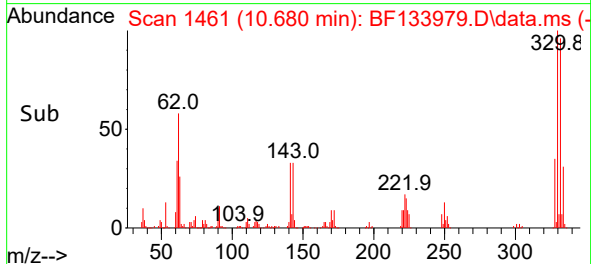
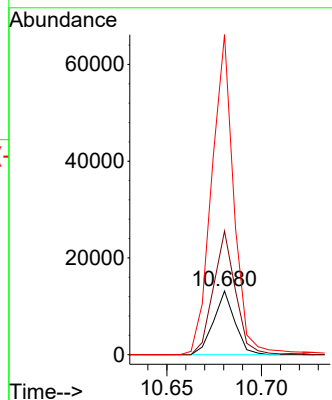
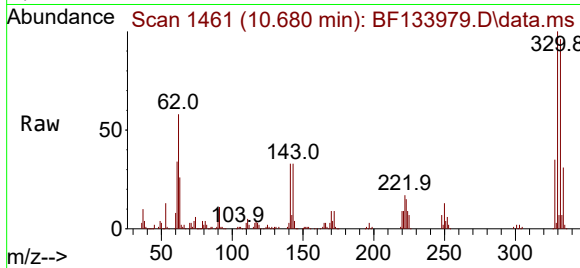




#67
4-Bromophenyl-phenylether
Concen: 3.657 ng
RT: 10.680 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

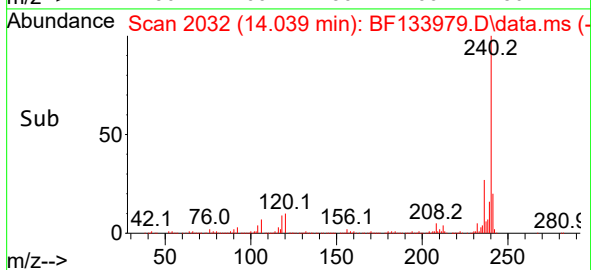
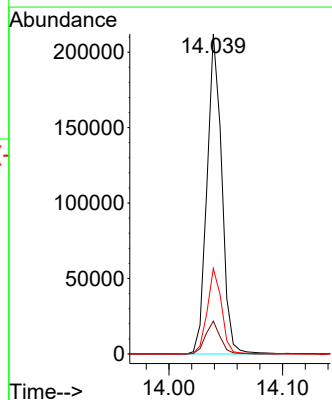
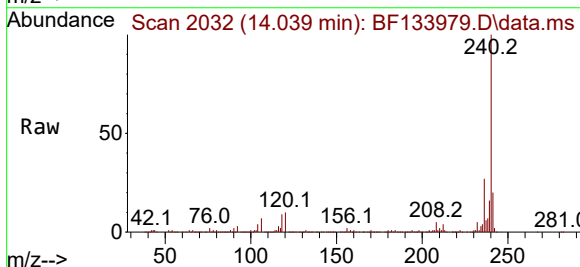
Instrument :
BNA_F
ClientSampleId :
WC-4

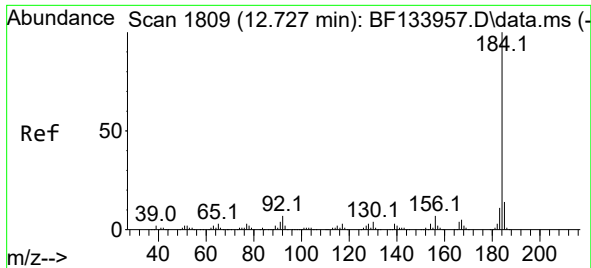
Tgt Ion:248 Resp: 10347
Ion Ratio Lower Upper
248 100
250 194.1 76.2 114.4#
141 502.1 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion:240 Resp: 190890
Ion Ratio Lower Upper
240 100
120 10.3 7.4 11.0
236 26.7 21.0 31.6

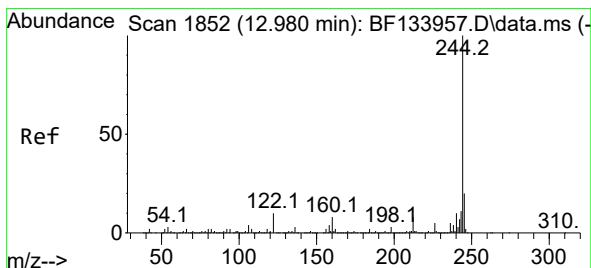
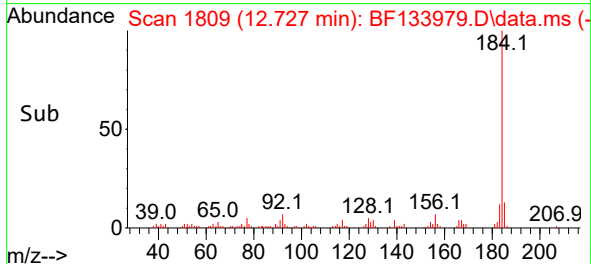
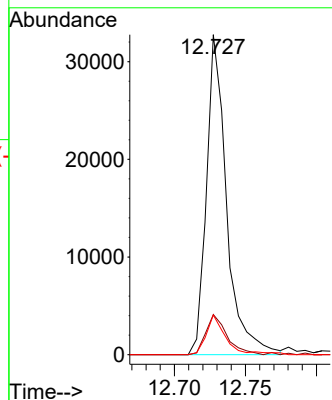
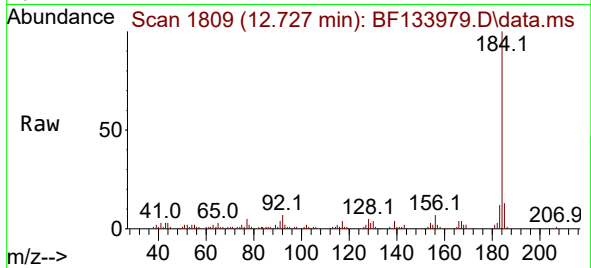




#77
Benzidine
Concen: 7.129 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

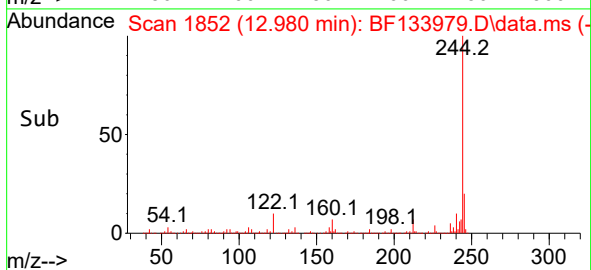
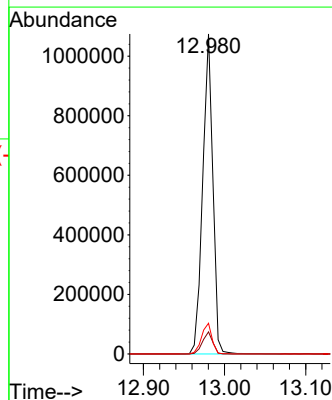
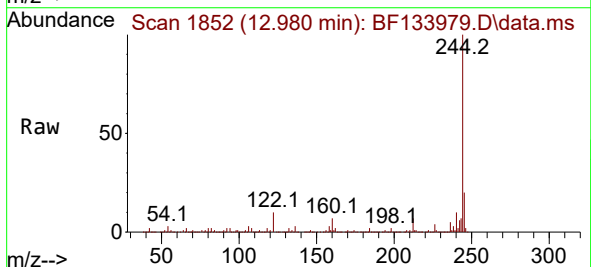
Instrument :
BNA_F
ClientSampleId :
WC-4

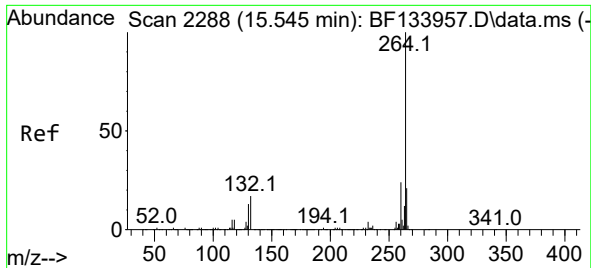
Tgt Ion:184 Resp: 32379
Ion Ratio Lower Upper
184 100
185 12.5 11.6 17.4
183 12.4 8.8 13.2



#79
Terphenyl-d14
Concen: 78.524 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF133979.D
Acq: 27 Jun 2023 07:58

Tgt Ion:244 Resp: 931357
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.6 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF133979.D
 Acq: 27 Jun 2023 07:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Tgt Ion:264 Resp: 150858
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 21.8 16.6 25.0

