

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011724\
 Data File : BF137102.D
 Acq On : 17 Jan 2024 19:34
 Operator : CG\JU
 Sample : P1140-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-309-37-39

Quant Time: Jan 18 01:17:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

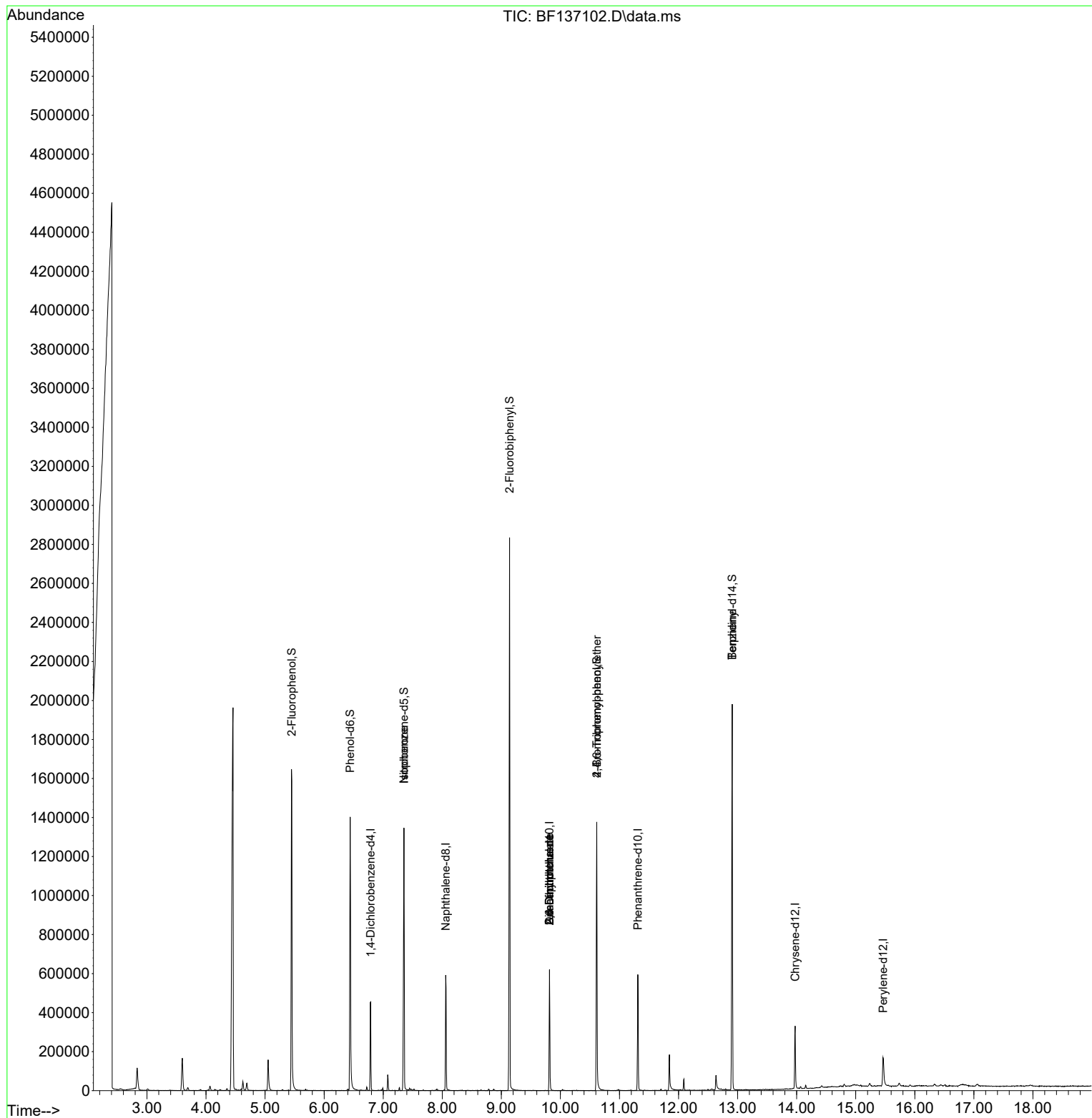
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70188	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	273427	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	111069	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	217426	20.000	ng	0.00
76) Chrysene-d12	13.974	240	118195	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	69659	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	501530	111.491	ng	0.02
7) Phenol-d6	6.440	99	471588	80.906	ng	0.00
23) Nitrobenzene-d5	7.351	82	436275	81.648	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	178570	136.513	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	882683	106.888	ng	-0.01
79) Terphenyl-d14	12.910	244	686985	81.225	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.351	82	436352	44.879	ng	# 65
50) Dimethylphthalate	9.816	163	28868	3.558	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	14270	7.750	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	14270	5.970	ng	# 21
67) 4-Bromophenyl-phenylether	10.616	248	10806	4.475	ng	# 1
77) Benzidine	12.910	184	7367	2.114	ng	# 93

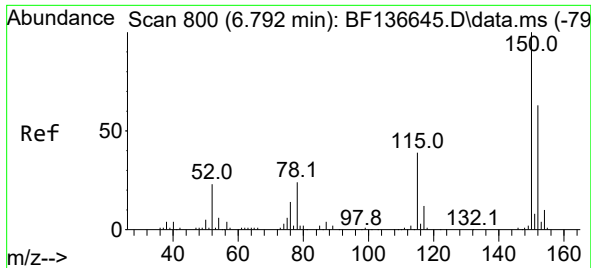
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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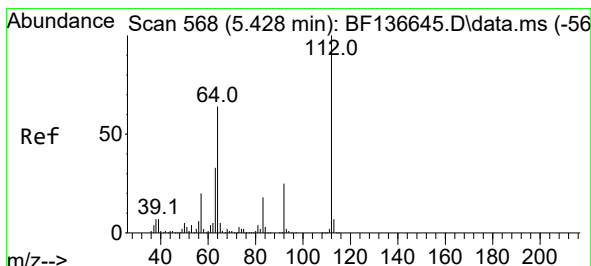
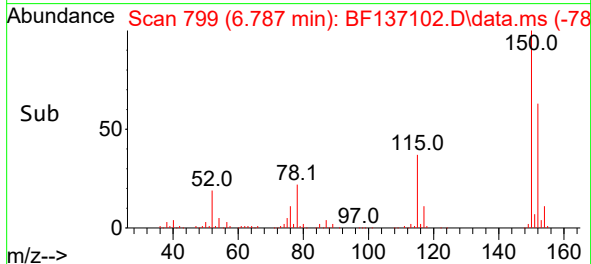
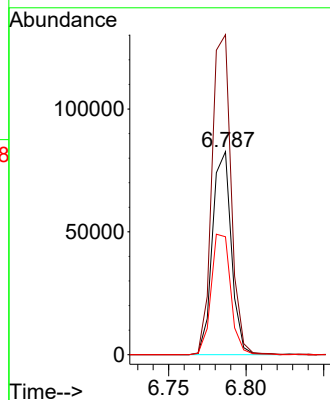
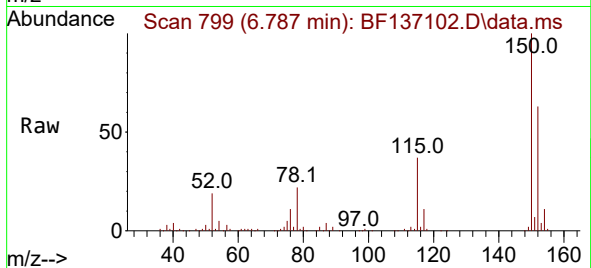




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 70
Delta R.T. -0.005 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

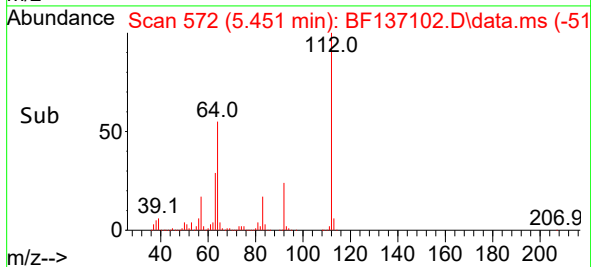
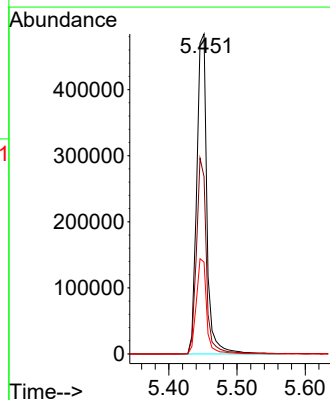
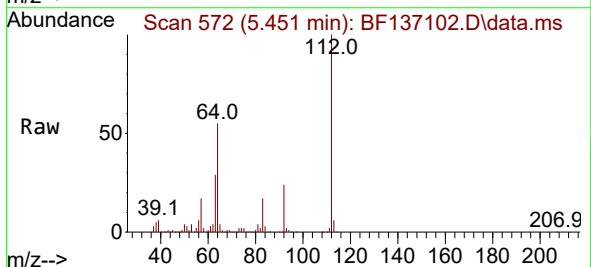
Instrument :
BNA_F
ClientSampleId :
MR-309-37-39

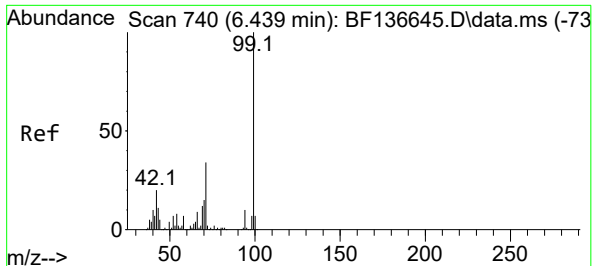
Tgt Ion:152 Resp: 70188
Ion Ratio Lower Upper
152 100
150 157.6 127.0 190.6
115 58.0 49.0 73.4



#5
2-Fluorophenol
Concen: 111.491 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.024 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

Tgt Ion:112 Resp: 501530
Ion Ratio Lower Upper
112 100
64 55.4 51.1 76.7
63 28.7 26.1 39.1

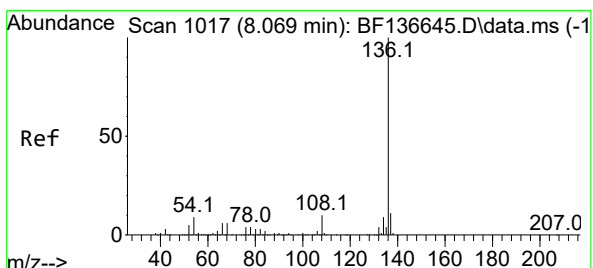
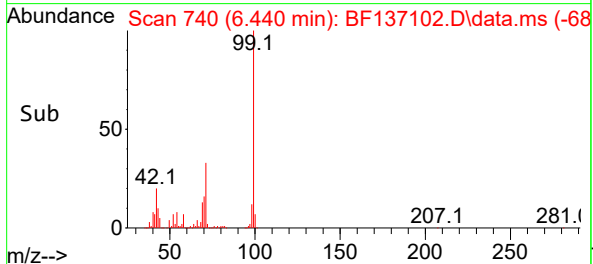
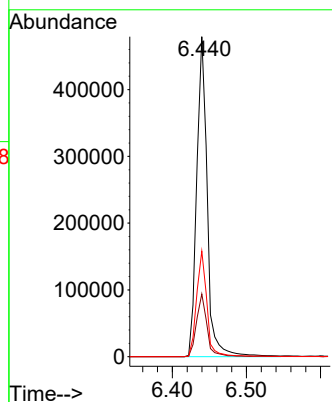
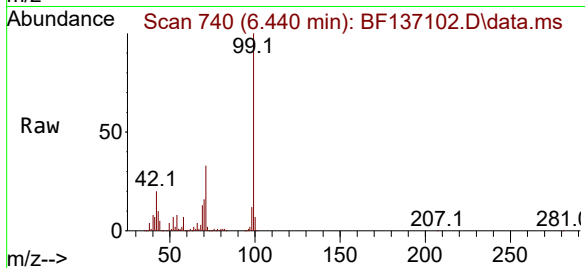




#7
Phenol-d6
Concen: 80.906 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

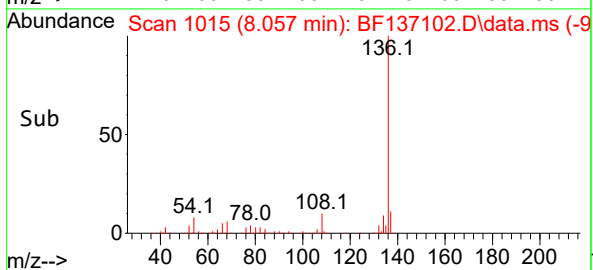
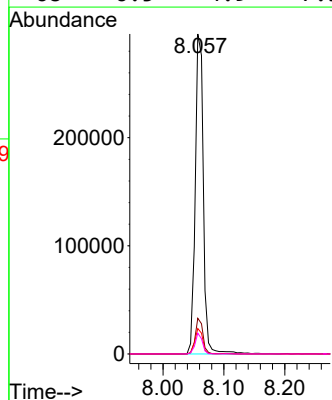
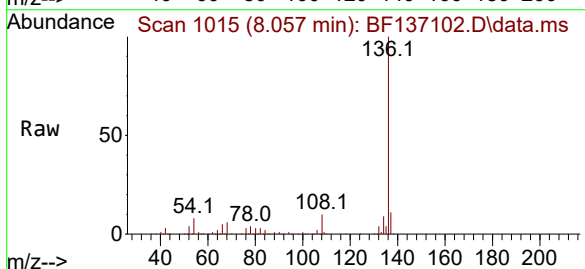
Instrument :
BNA_F
ClientSampleId :
MR-309-37-39

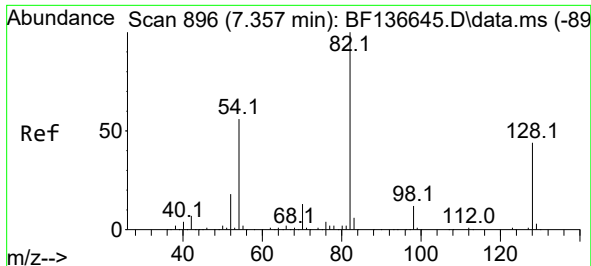
Tgt Ion: 99 Resp: 471588
Ion Ratio Lower Upper
99 100
42 19.6 16.1 24.1
71 33.0 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

Tgt Ion: 136 Resp: 273427
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.9 7.2 10.8
68 6.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 81.648 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137102.D

Acq: 17 Jan 2024 19:34

Instrument :

BNA_F

ClientSampleId :

MR-309-37-39

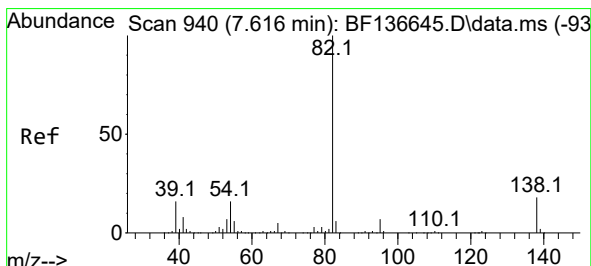
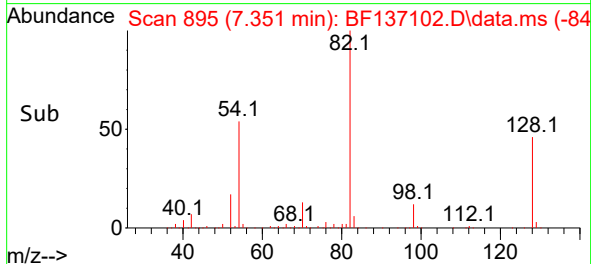
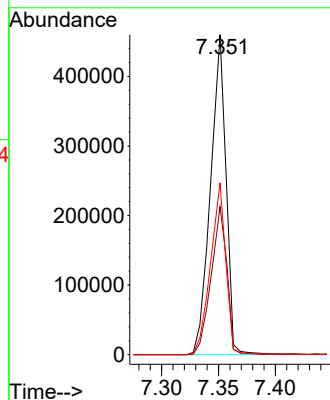
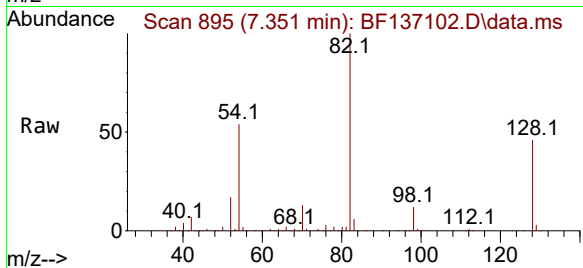
Tgt Ion: 82 Resp: 436275

Ion Ratio Lower Upper

82 100

128 46.3 35.3 52.9

54 53.7 44.5 66.7



#25

Isophorone

Concen: 44.879 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.264 min

Lab File: BF137102.D

Acq: 17 Jan 2024 19:34

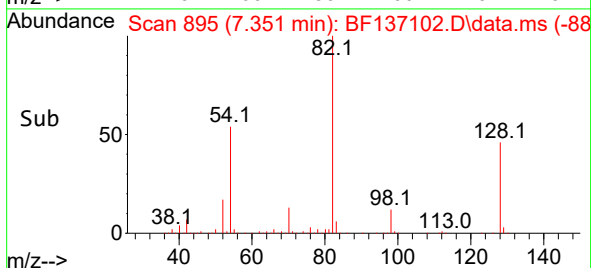
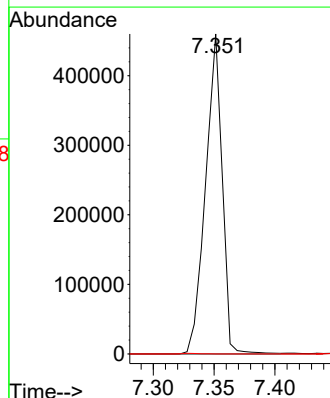
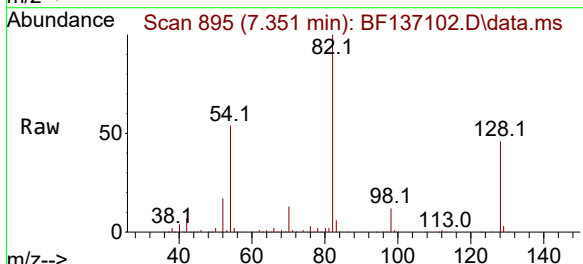
Tgt Ion: 82 Resp: 436352

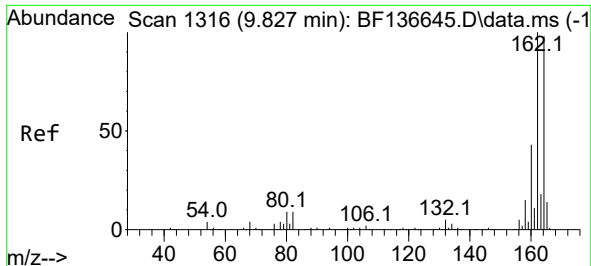
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.5 21.7#

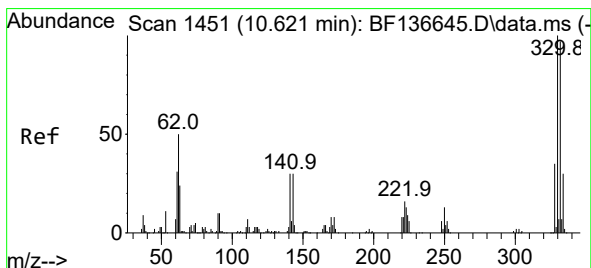
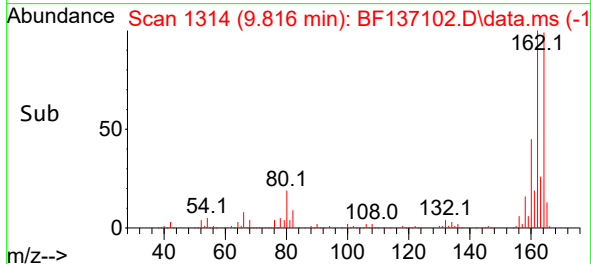
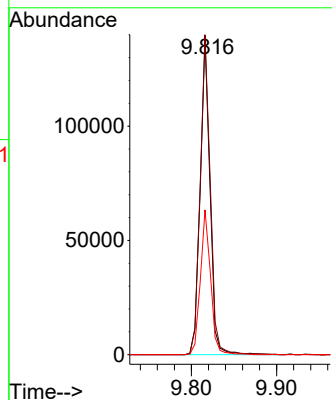
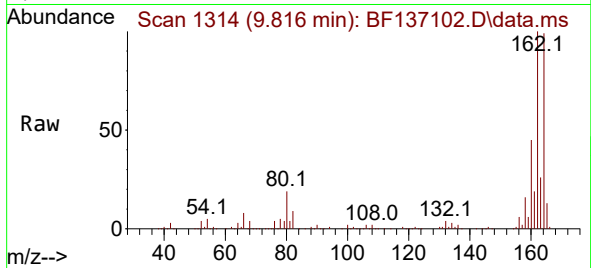




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

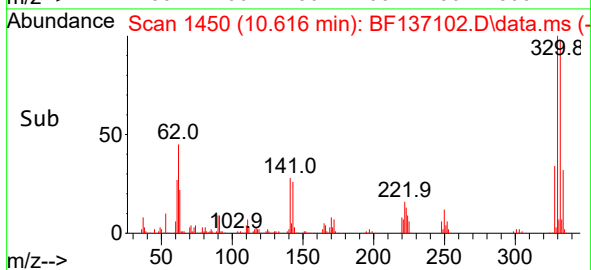
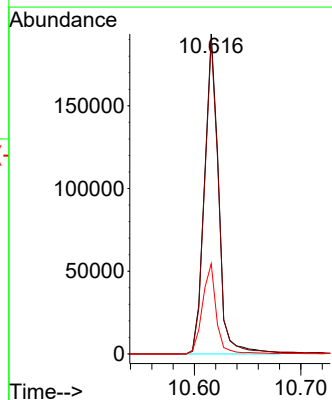
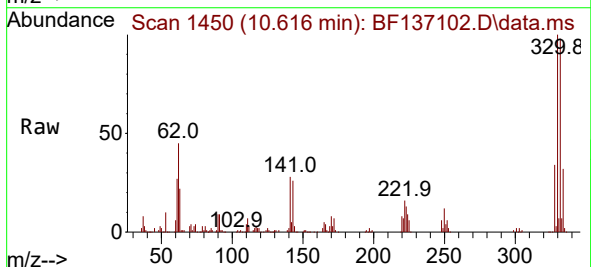
Instrument :
BNA_F
ClientSampleId :
MR-309-37-39

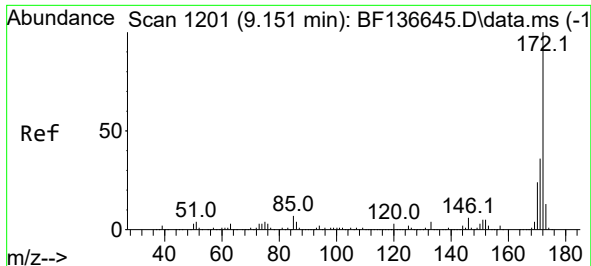
Tgt Ion:164 Resp: 111069
Ion Ratio Lower Upper
164 100
162 101.0 81.6 122.4
160 45.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 136.513 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

Tgt Ion:330 Resp: 178570
Ion Ratio Lower Upper
330 100
332 98.9 77.4 116.0
141 28.0 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 106.888 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF137102.D

Acq: 17 Jan 2024 19:34

Instrument :

BNA_F

ClientSampleId :

MR-309-37-39

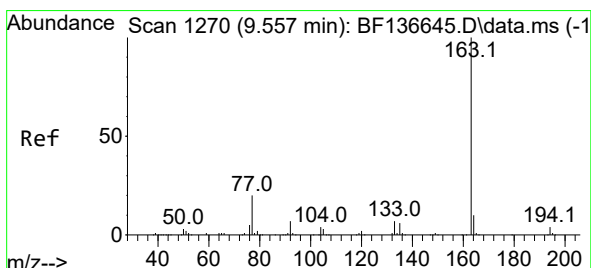
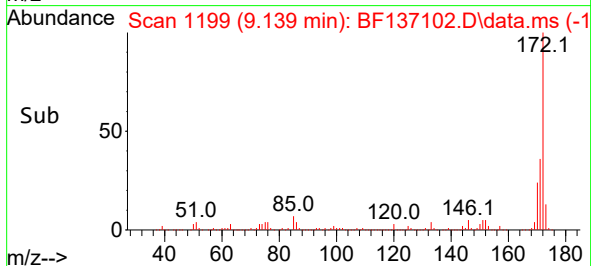
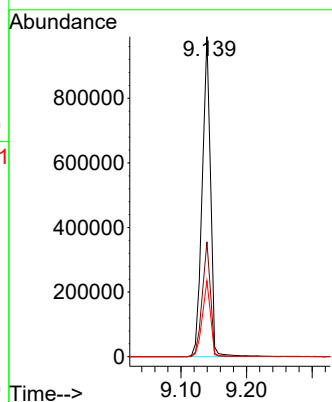
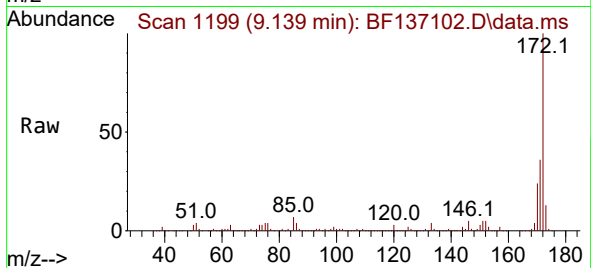
Tgt Ion:172 Resp: 882683

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 23.7 19.0 28.4



#50

Dimethylphthalate

Concen: 3.558 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF137102.D

Acq: 17 Jan 2024 19:34

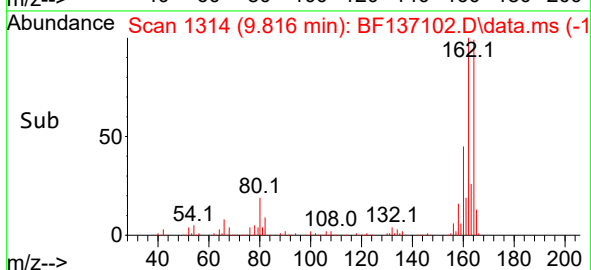
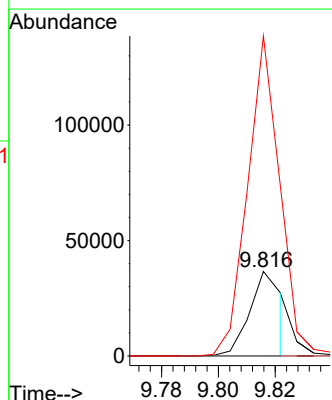
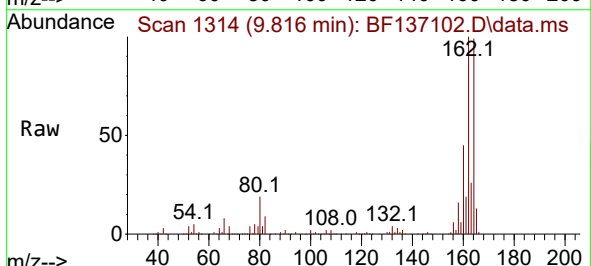
Tgt Ion:163 Resp: 28868

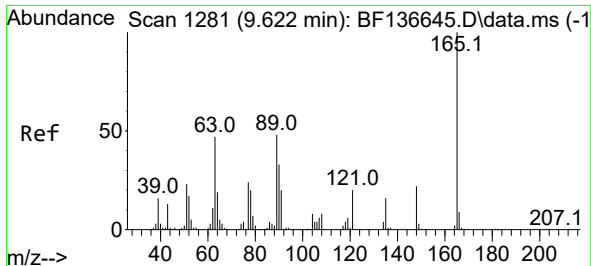
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 378.7 7.8 11.6#

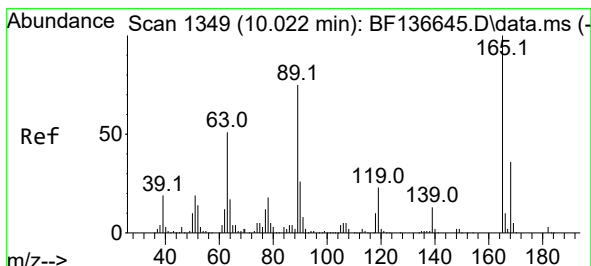
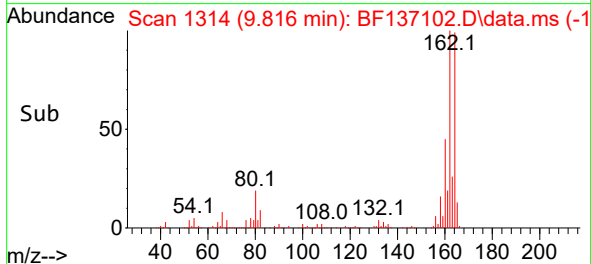
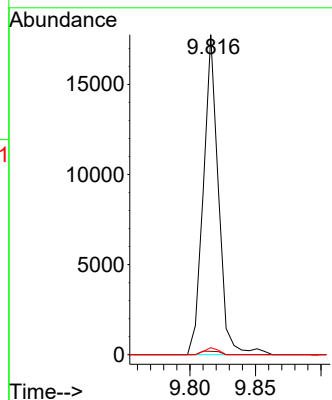
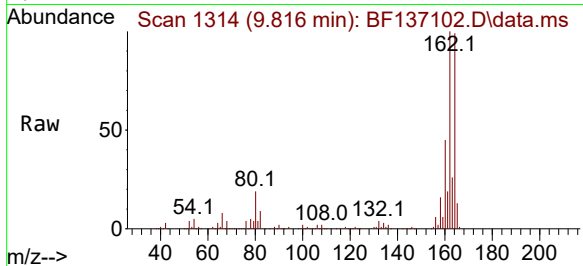




#51
2,6-Dinitrotoluene
Concen: 7.750 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

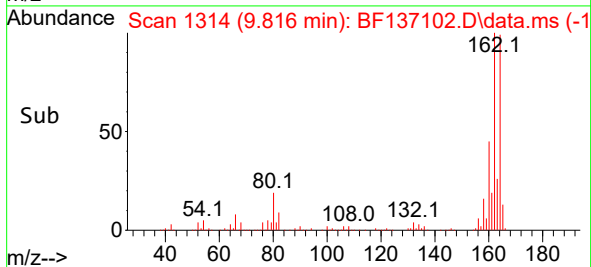
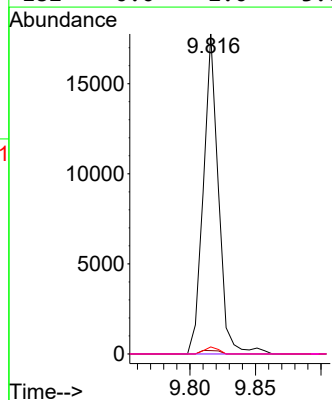
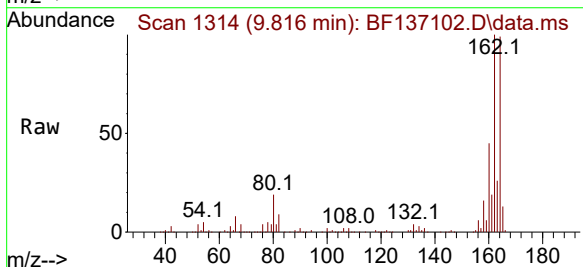
Instrument :
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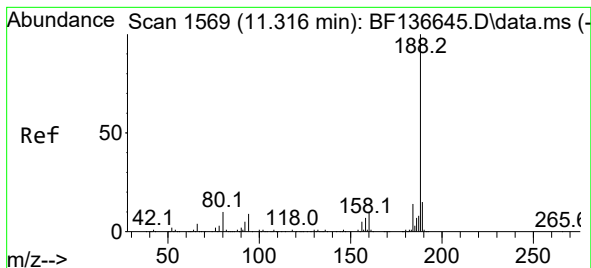
Tgt Ion:165 Resp: 14270
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 2.2 38.8 58.2#



#57
2,4-Dinitrotoluene
Concen: 5.970 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

Tgt Ion:165 Resp: 14270
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.6#
89 2.2 59.9 89.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137102.D

Acq: 17 Jan 2024 19:34

Instrument :

BNA_F

ClientSampleId :

MR-309-37-39

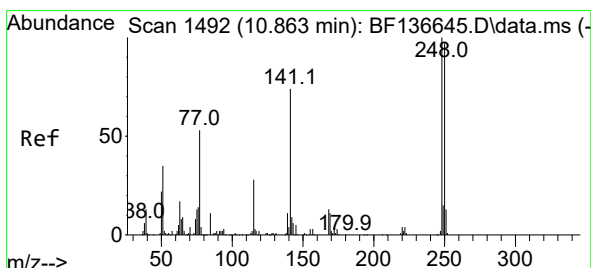
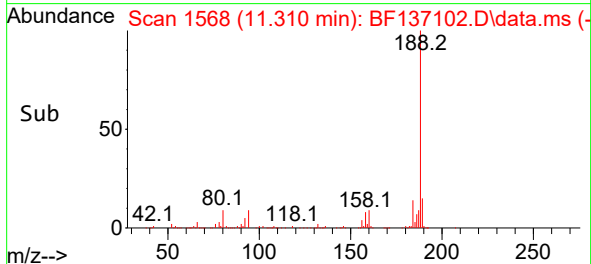
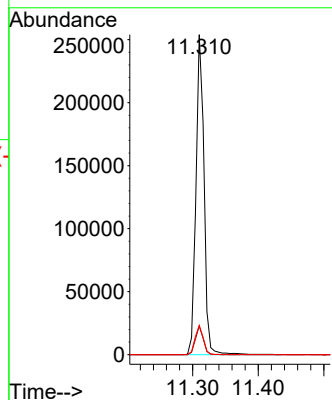
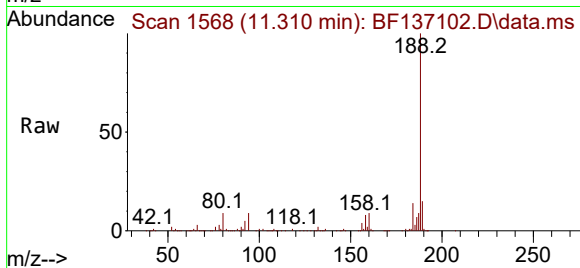
Tgt Ion:188 Resp: 217426

Ion Ratio Lower Upper

188 100

94 8.9 7.5 11.3

80 9.2 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 4.475 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF137102.D

Acq: 17 Jan 2024 19:34

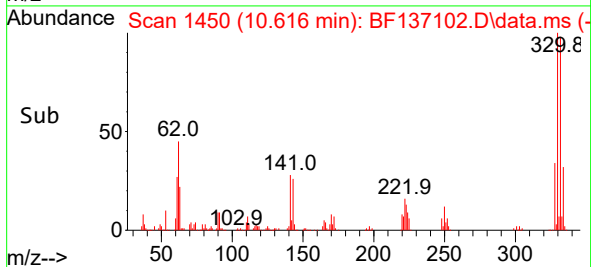
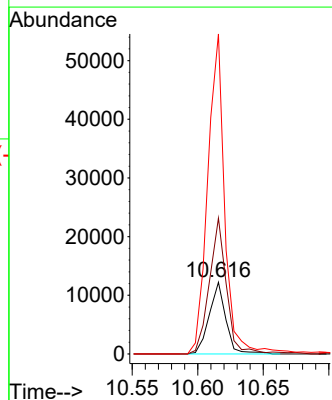
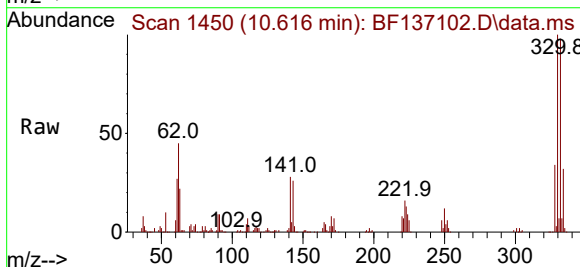
Tgt Ion:248 Resp: 10806

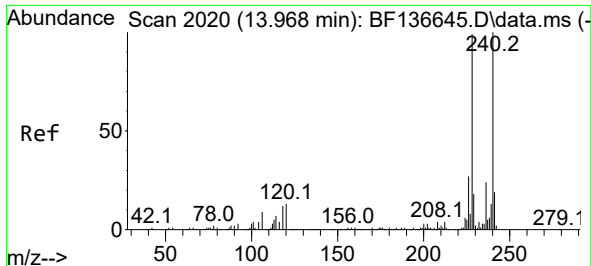
Ion Ratio Lower Upper

248 100

250 189.5 77.8 116.6#

141 446.7 59.2 88.8#

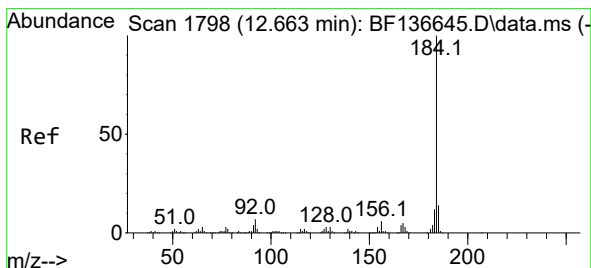
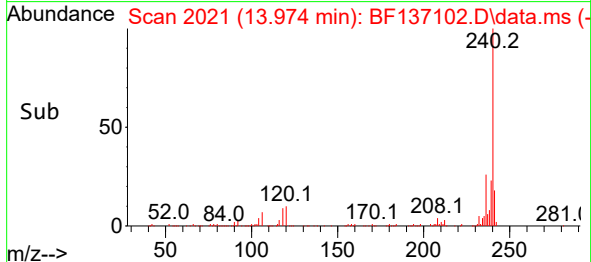
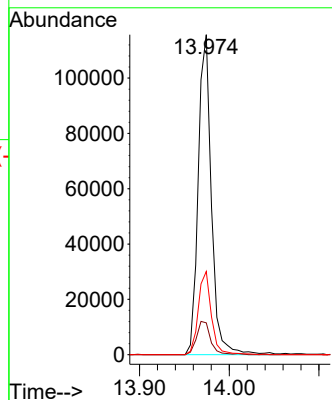
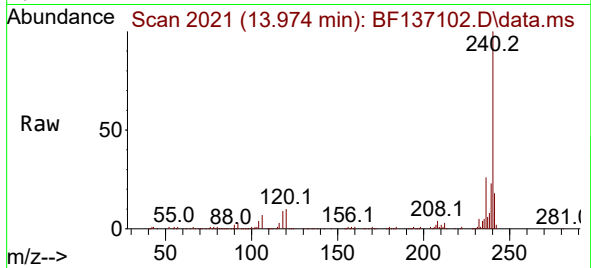




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

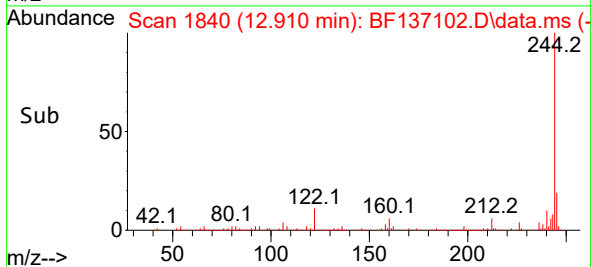
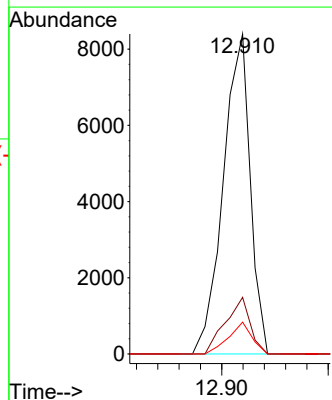
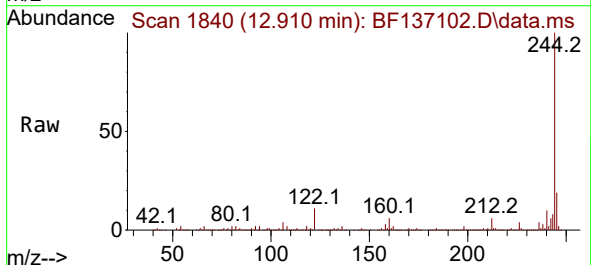
Instrument :
BNA_F
ClientSampleId :
MR-309-37-39

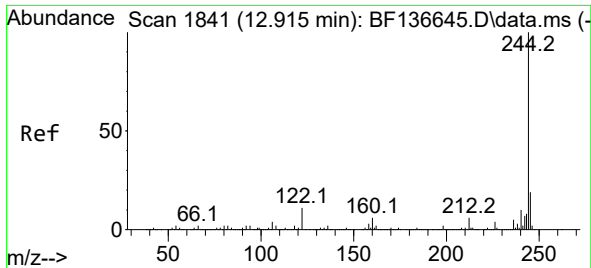
Tgt Ion:240 Resp: 118195
Ion Ratio Lower Upper
240 100
120 9.9 10.3 15.5#
236 26.0 19.4 29.2



#77
Benzidine
Concen: 2.114 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF137102.D
Acq: 17 Jan 2024 19:34

Tgt Ion:184 Resp: 7367
Ion Ratio Lower Upper
184 100
185 17.7 11.2 16.8#
183 10.0 9.3 13.9

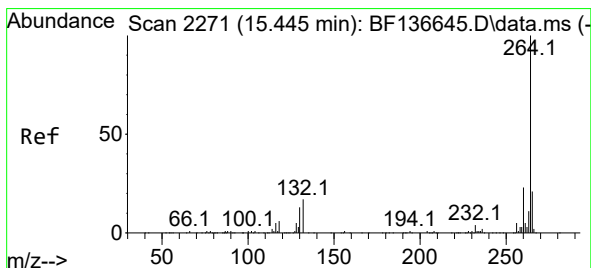
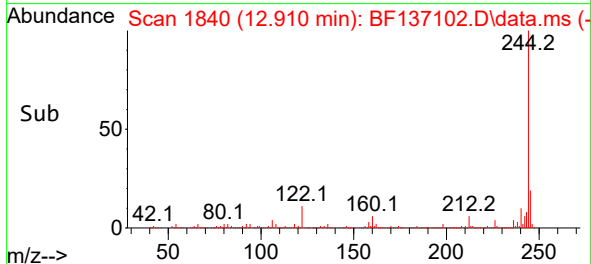
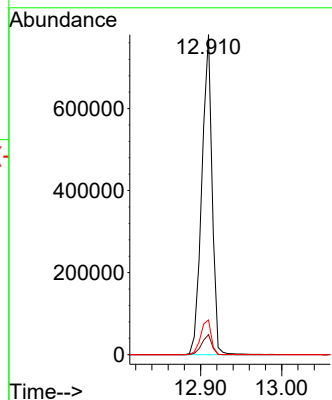
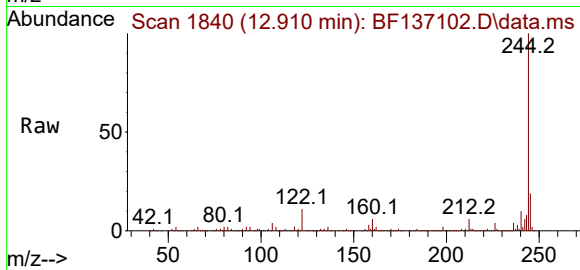




#79
 Terphenyl-d14
 Concen: 81.225 ng
 RT: 12.910 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF137102.D
 Acq: 17 Jan 2024 19:34

Instrument :
 BNA_F
 ClientSampleId :
 MR-309-37-39

Tgt Ion:244 Resp: 686985
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.8 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2274
 Delta R.T. 0.018 min
 Lab File: BF137102.D
 Acq: 17 Jan 2024 19:34

Tgt Ion:264 Resp: 69659
 Ion Ratio Lower Upper
 264 100
 260 25.1 18.3 27.5
 265 21.6 17.0 25.6

