

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030124\
 Data File : BF137463.D
 Acq On : 01 Mar 2024 17:13
 Operator : CG\JU
 Sample : P1602-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Mar 01 17:37:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 12:53:33 2024
 Response via : Initial Calibration

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

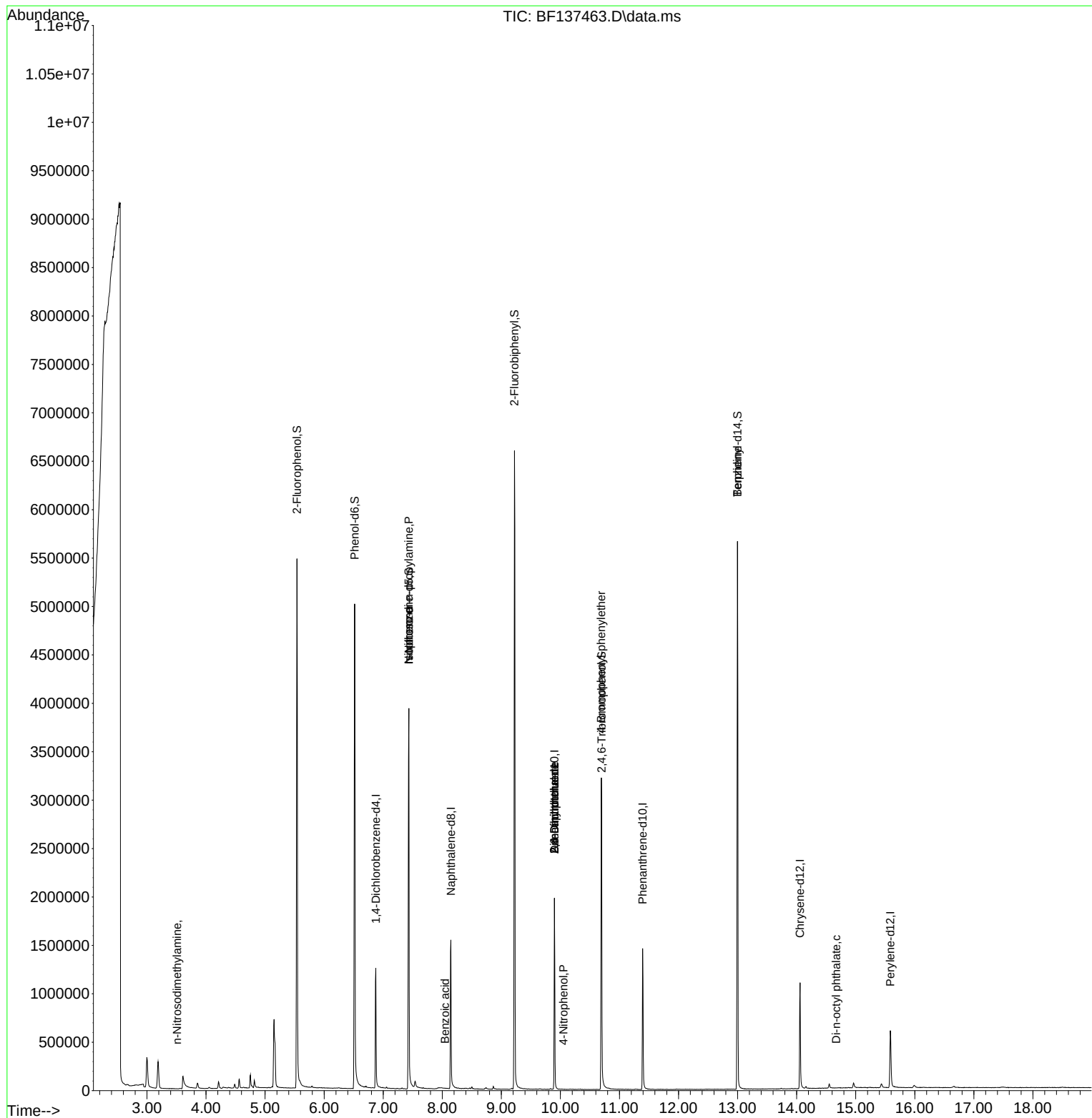
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	189805	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	726291	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	373192	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	546937	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	394999	20.000	ng	-0.01
86) Perylene-d12	15.586	264	312252	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	1597020	127.433	ng	0.00
7) Phenol-d6	6.516	99	1951587	107.883	ng	-0.01
23) Nitrobenzene-d5	7.434	82	1404268	89.837	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	407575	124.364	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	2154879	90.387	ng	-0.01
79) Terphenyl-d14	12.998	244	2041322	71.064	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.510	42	322	3.853	ng	# 7
19) n-Nitroso-di-n-propyla...	7.434	70	183023	16.384	ng	# 82
25) Isophorone	7.434	82	1404259	47.287	ng	# 69
32) Benzoic acid	8.045	122	457	6.358	ng	# 89
50) Dimethylphthalate	9.898	163	55178	2.124	ng	# 1
51) 2,6-Dinitrotoluene	9.898	165	48297	8.888	ng	# 20
56) 4-Nitrophenol	10.051	139	64	4.541	ng	# 5
57) 2,4-Dinitrotoluene	9.898	165	48504	7.266	ng	# 21
67) 4-Bromophenyl-phenylether	10.692	248	27757	4.659	ng	# 1
77) Benzidine	12.998	184	24249	2.509	ng	# 94
85) Di-n-octyl phthalate	14.669	149	773	5.635	ng	# 5

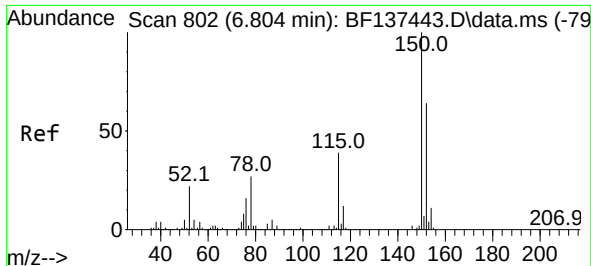
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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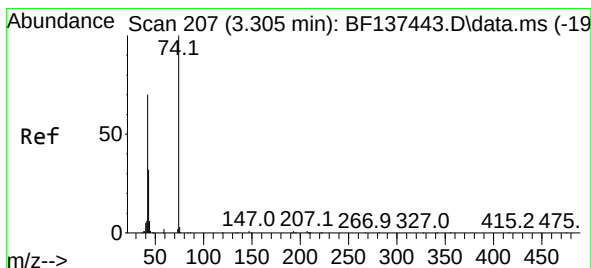
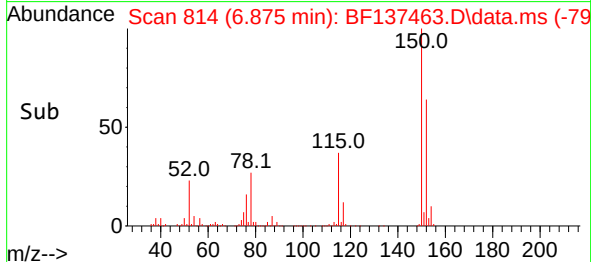
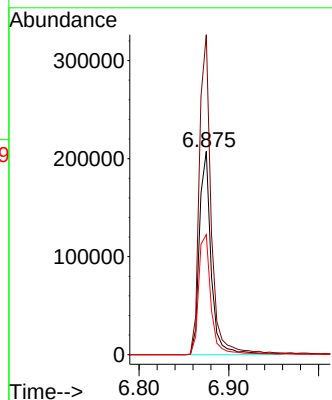
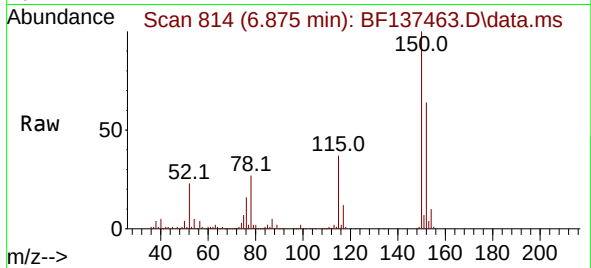




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

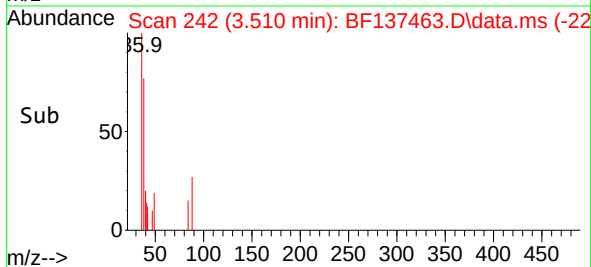
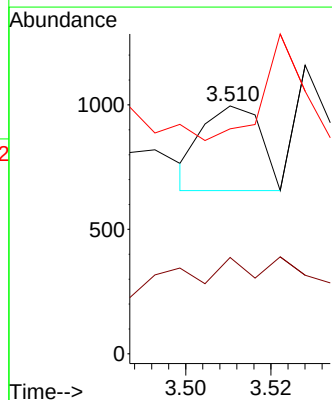
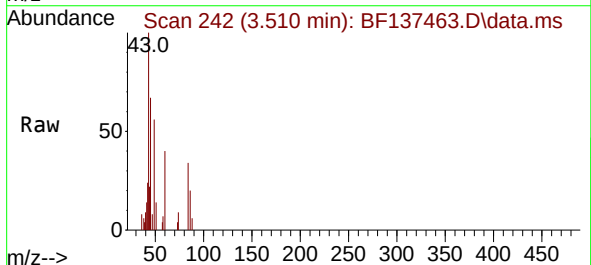
Instrument :
BNA_F
ClientSampleId :
WC-2

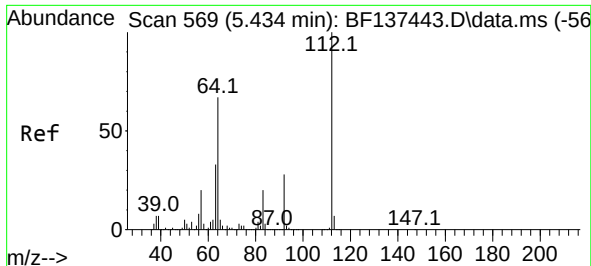
Tgt Ion:152 Resp: 189805
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.6
115 59.0 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.853 ng
RT: 3.510 min Scan# 242
Delta R.T. 0.012 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

Tgt Ion: 42 Resp: 322
Ion Ratio Lower Upper
42 100
74 38.9 114.0 171.0#
44 90.8 7.0 10.4#

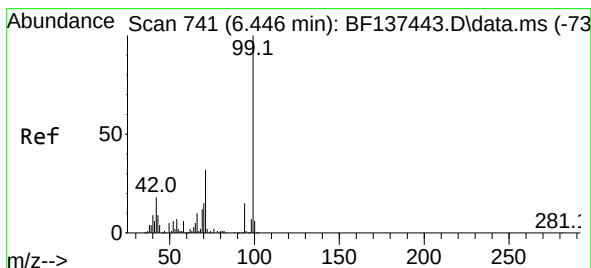
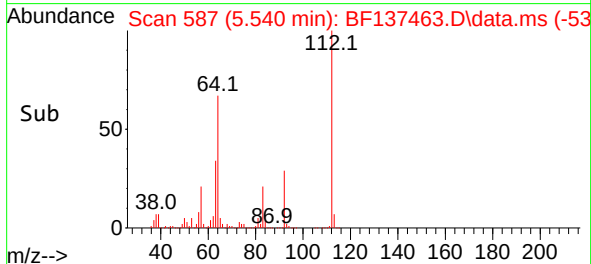
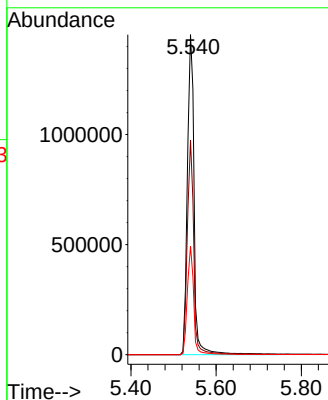
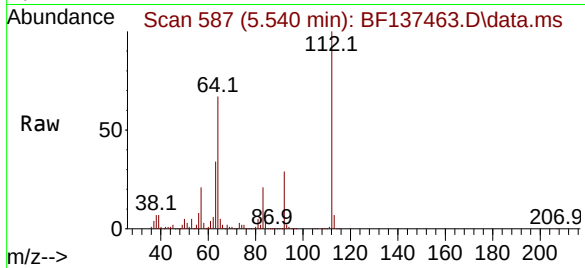




#5
2-Fluorophenol
Concen: 127.433 ng
RT: 5.540 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

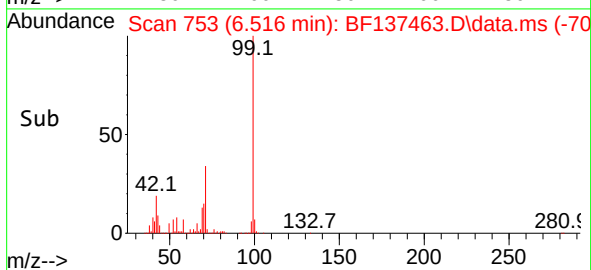
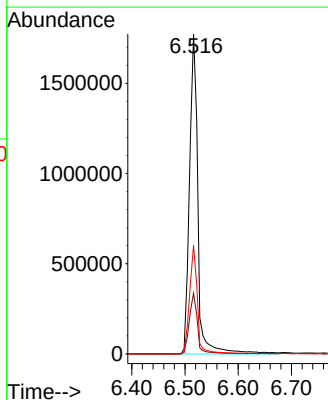
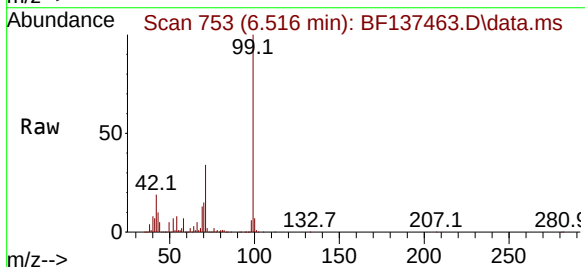
Instrument :
BNA_F
ClientSampleId :
WC-2

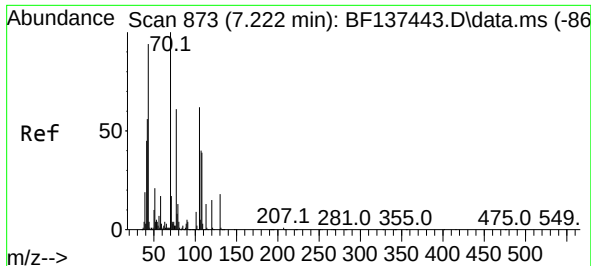
Tgt Ion:112 Resp: 1597020
Ion Ratio Lower Upper
112 100
64 67.1 53.4 80.2
63 33.9 26.2 39.2



#7
Phenol-d6
Concen: 107.883 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

Tgt Ion: 99 Resp: 1951587
Ion Ratio Lower Upper
99 100
42 19.0 14.6 21.8
71 33.9 25.3 37.9

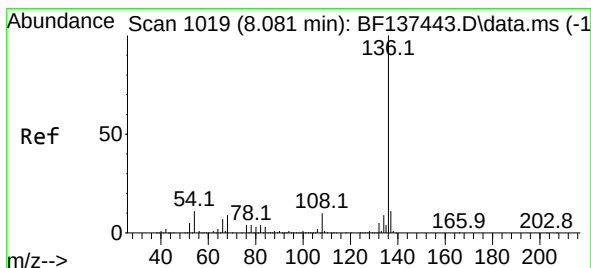
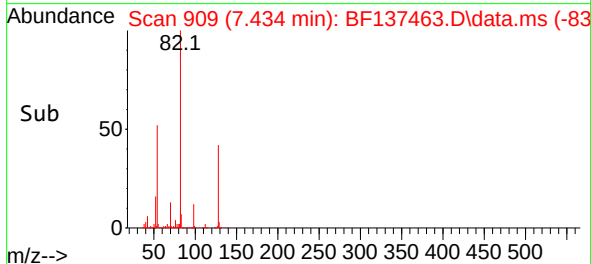
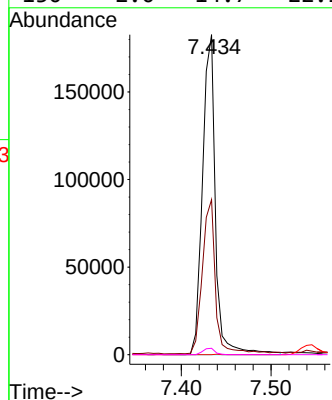
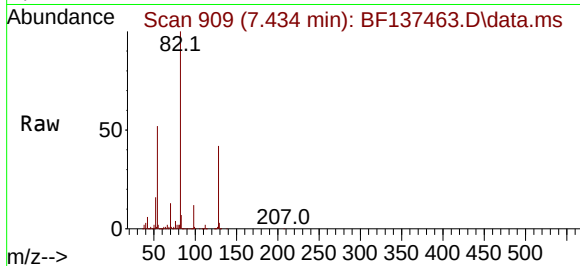




#19
n-Nitroso-di-n-propylamine
Concen: 16.384 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

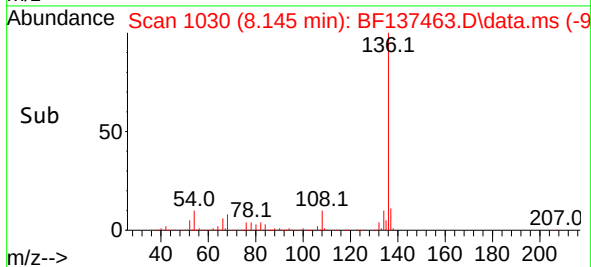
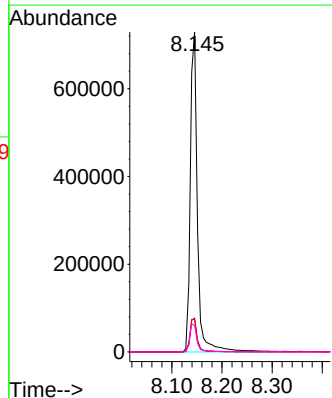
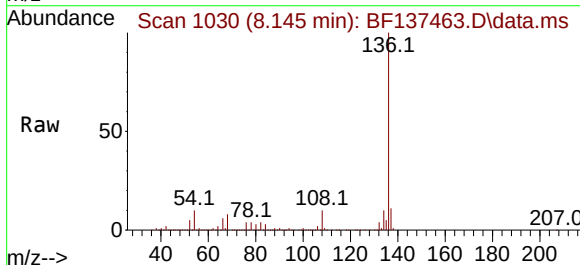
Instrument :
BNA_F
ClientSampleId :
WC-2

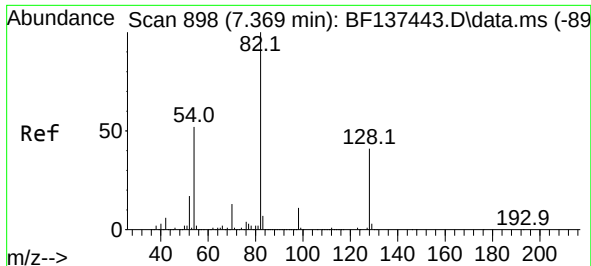
Tgt Ion: 70 Resp: 183023
Ion Ratio Lower Upper
70 100
42 48.5 45.2 67.8
101 0.0 7.3 10.9#
130 2.0 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

Tgt Ion: 136 Resp: 726291
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 10.1 8.5 12.7
68 8.2 7.4 11.2

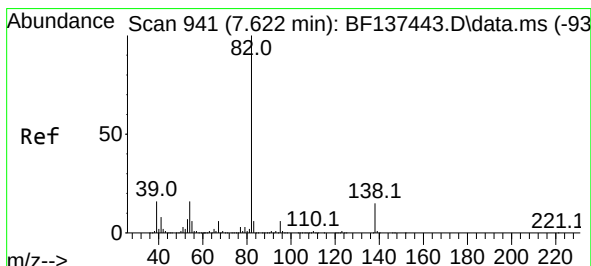
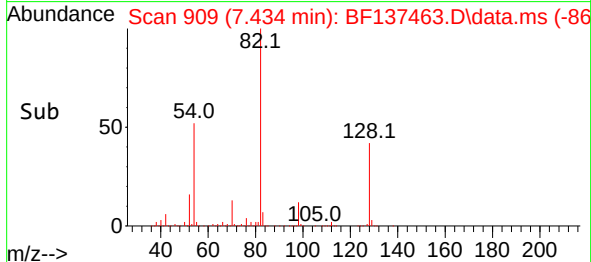
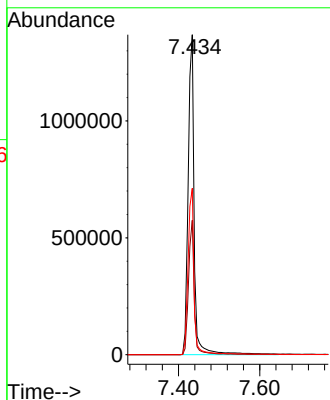
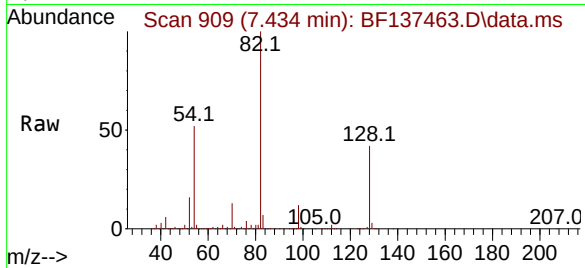




#23
Nitrobenzene-d5
Concen: 89.837 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

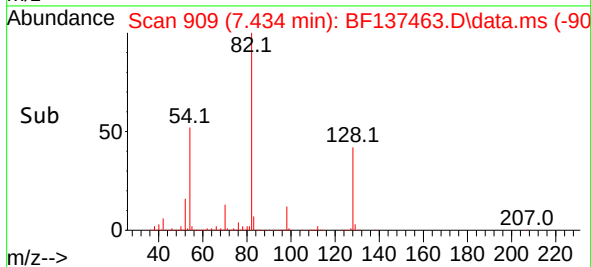
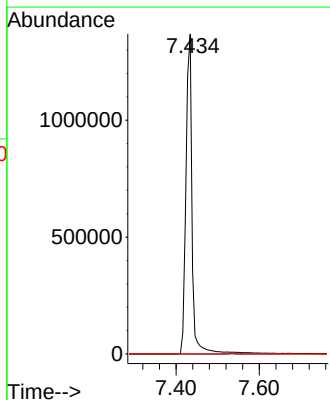
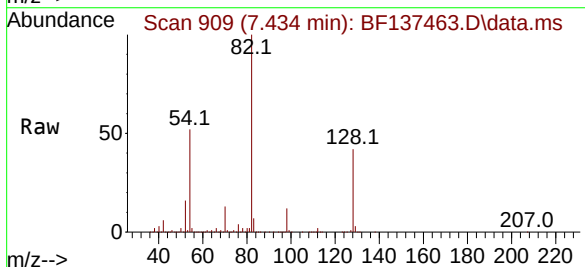
Instrument :
BNA_F
ClientSampleId :
WC-2

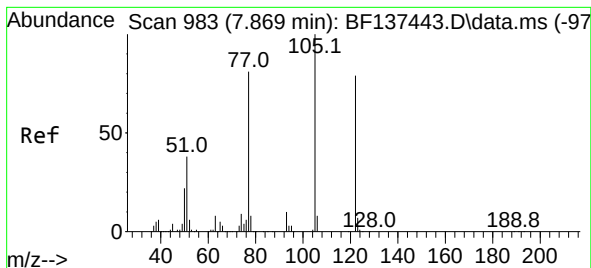
Tgt Ion: 82 Resp: 1404268
Ion Ratio Lower Upper
82 100
128 42.0 32.5 48.7
54 52.0 41.5 62.3



#25
Isophorone
Concen: 47.287 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

Tgt Ion: 82 Resp: 1404259
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 11.8 17.8#





#32

Benzoic acid

Concen: 6.358 ng

RT: 8.045 min Scan# 1013

Delta R.T. 0.100 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-2

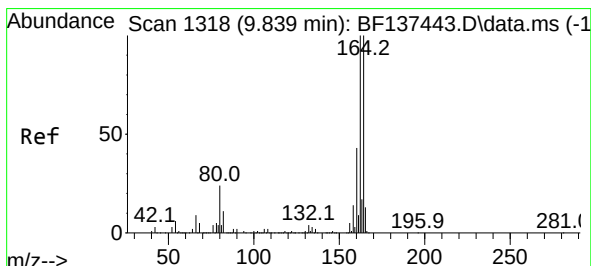
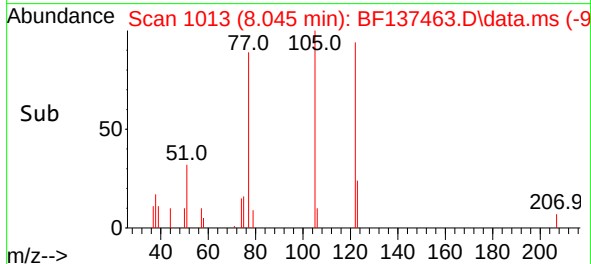
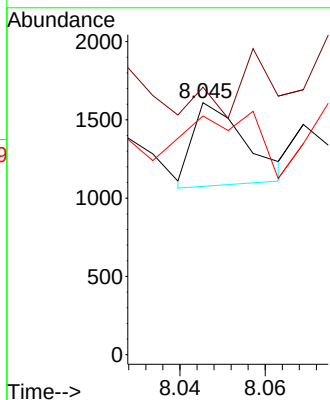
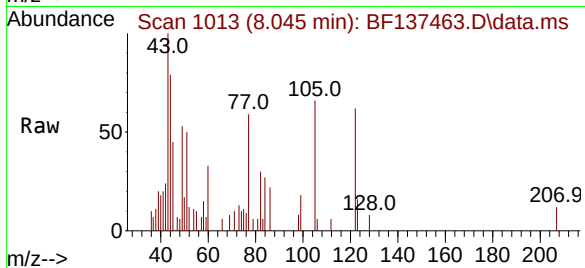
Tgt Ion:122 Resp: 457

Ion Ratio Lower Upper

122 100

105 106.1 102.4 142.4

77 94.7 81.1 121.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.018 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

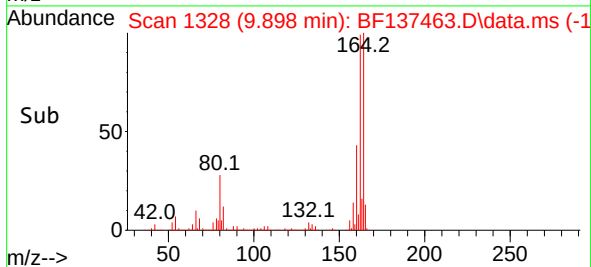
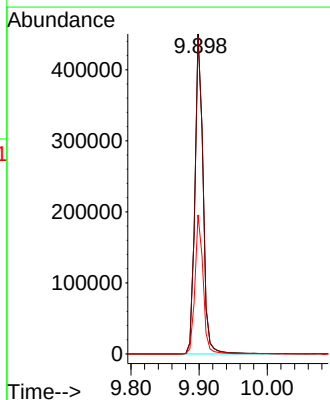
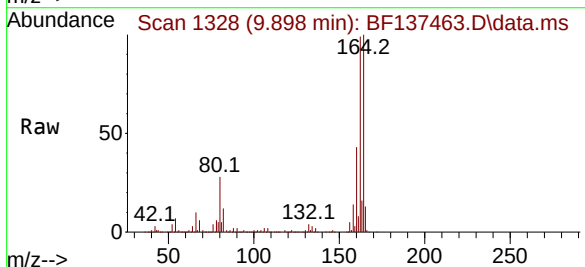
Tgt Ion:164 Resp: 373192

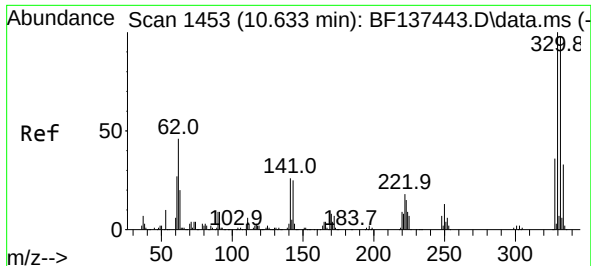
Ion Ratio Lower Upper

164 100

162 99.1 79.8 119.8

160 43.5 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 124.364 ng

RT: 10.698 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-2

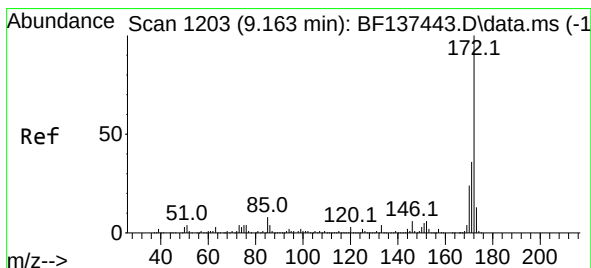
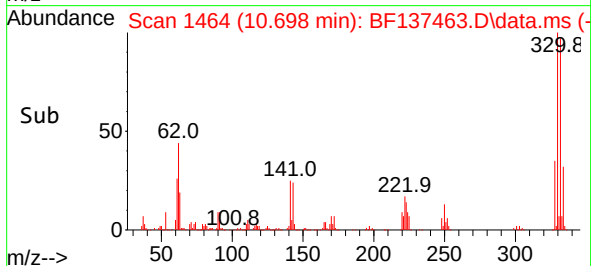
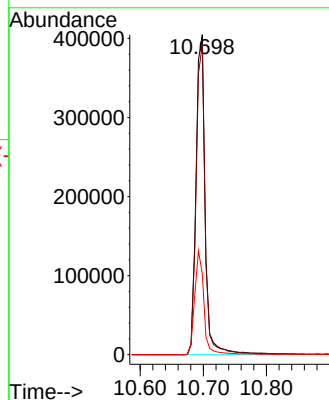
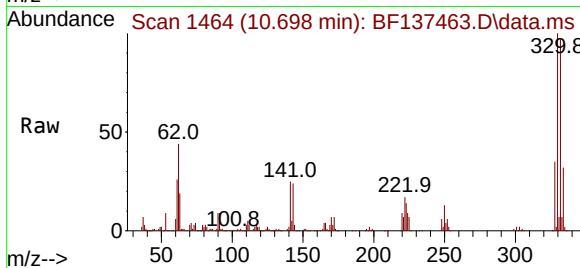
Tgt Ion:330 Resp: 407575

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

141 32.4 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 90.387 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

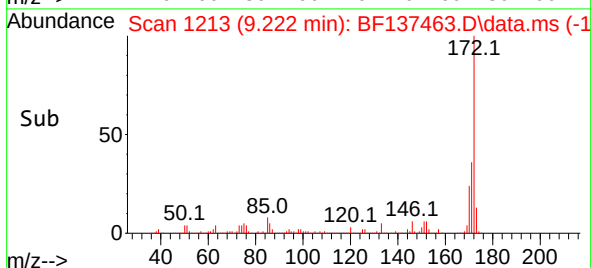
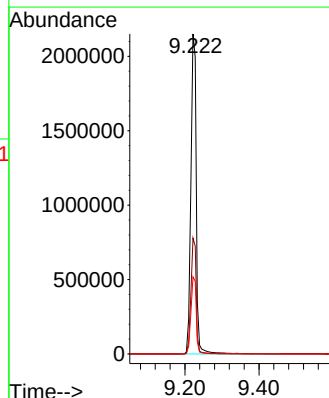
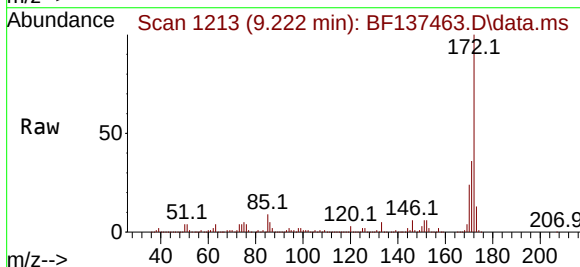
Tgt Ion:172 Resp: 2154879

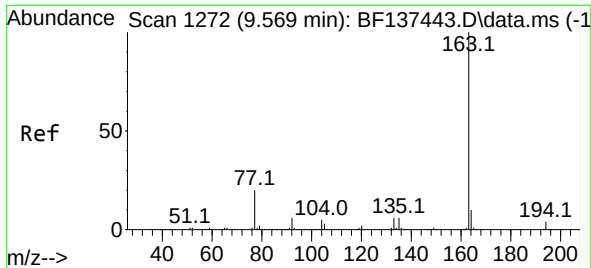
Ion Ratio Lower Upper

172 100

171 36.2 28.5 42.7

170 24.1 19.0 28.6





#50

Dimethylphthalate

Concen: 2.124 ng

RT: 9.898 min Scan# 1

Delta R.T. 0.253 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-2

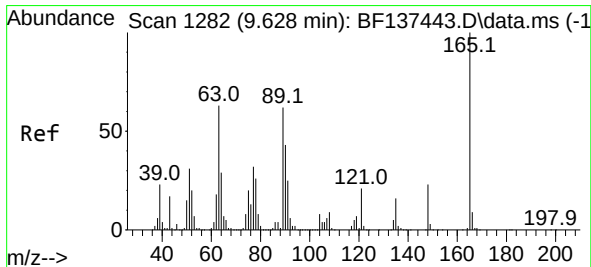
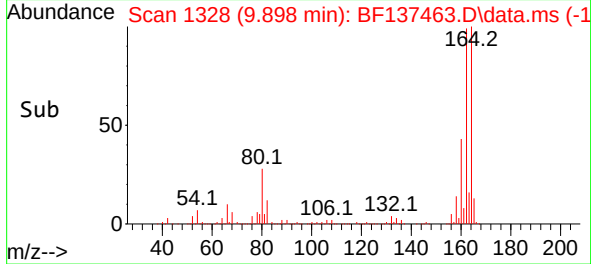
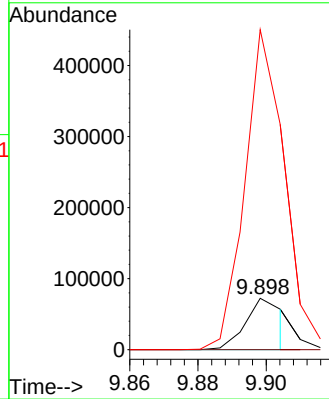
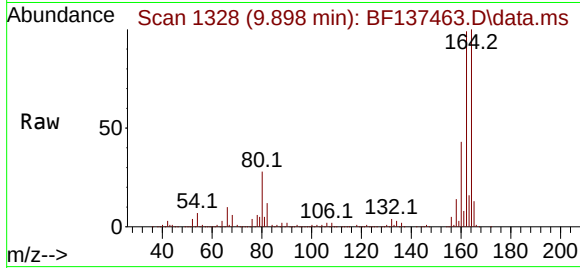
Tgt Ion:163 Resp: 55178

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 623.4 8.1 12.1#



#51

2,6-Dinitrotoluene

Concen: 8.888 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.194 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

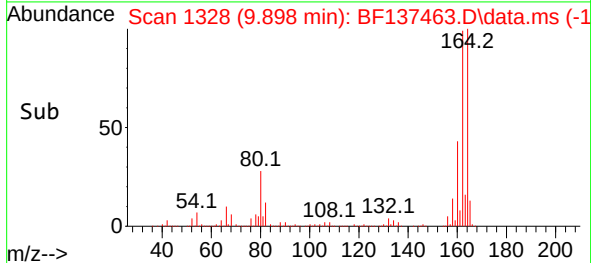
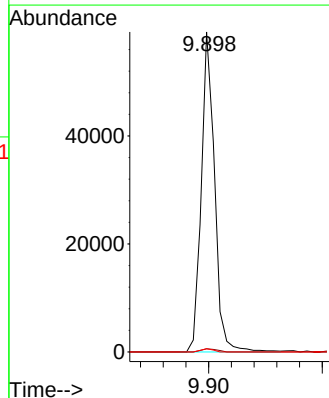
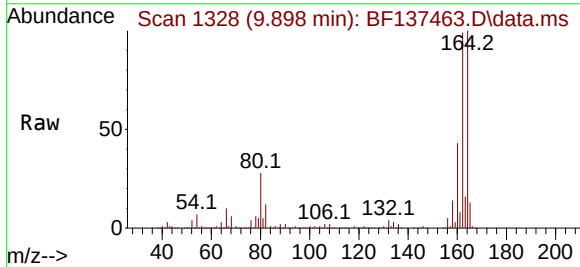
Tgt Ion:165 Resp: 48297

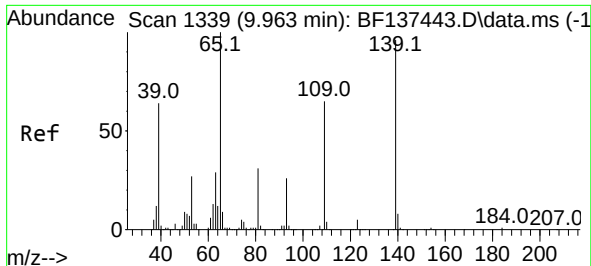
Ion Ratio Lower Upper

165 100

63 1.0 50.7 76.1#

89 1.0 50.0 75.0#

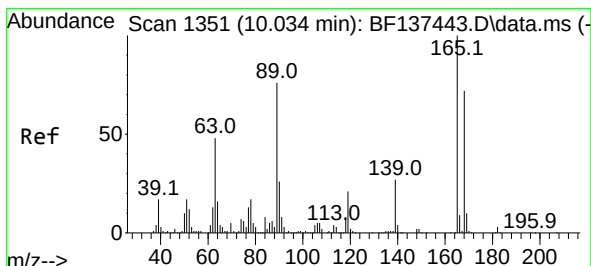
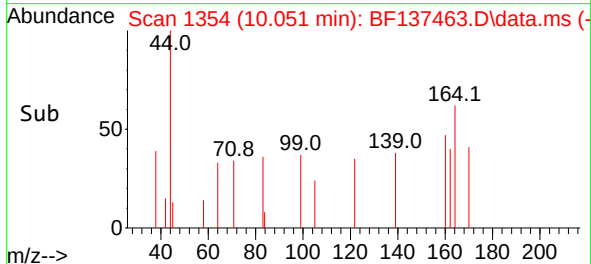
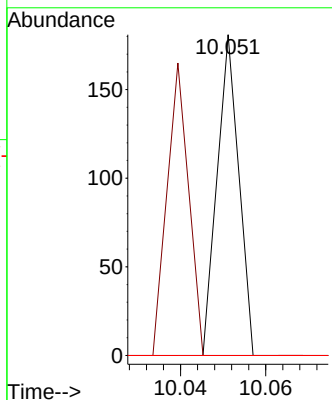
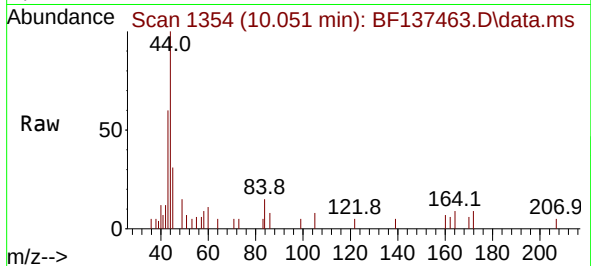




#56
4-Nitrophenol
Concen: 4.541 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

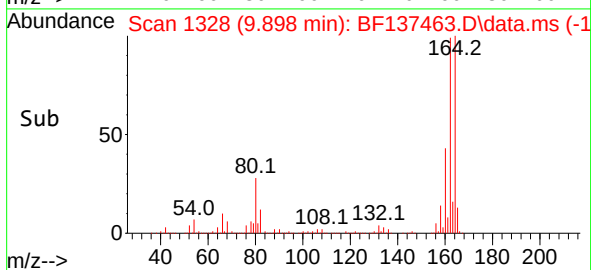
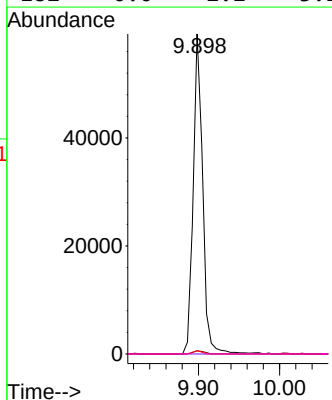
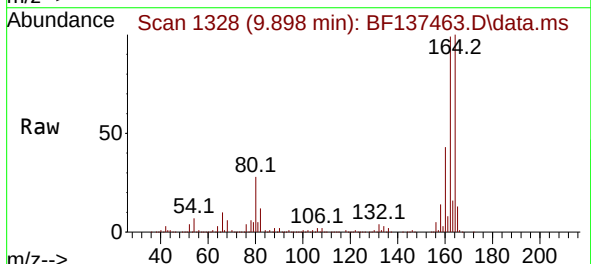
Instrument :
BNA_F
ClientSampleId :
WC-2

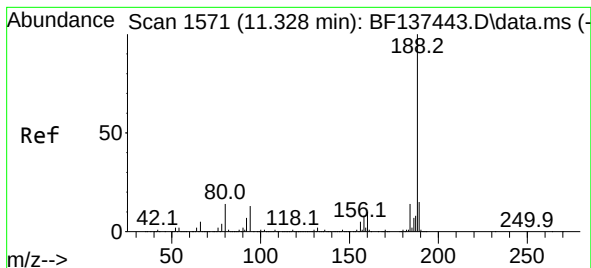
Tgt Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.266 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.212 min
Lab File: BF137463.D
Acq: 01 Mar 2024 17:13

Tgt Ion:165 Resp: 48504
Ion Ratio Lower Upper
165 100
63 1.0 39.0 58.6#
89 1.0 60.9 91.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-2

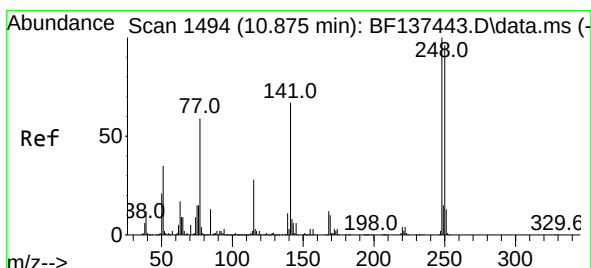
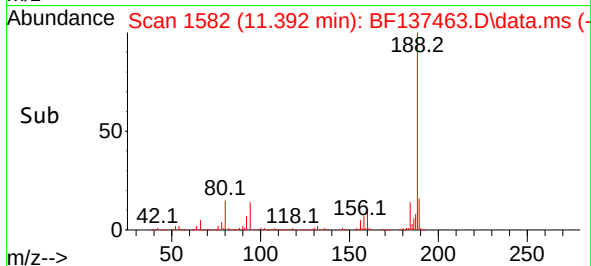
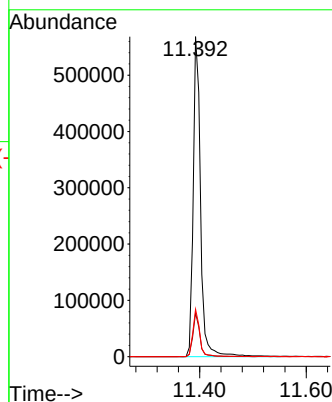
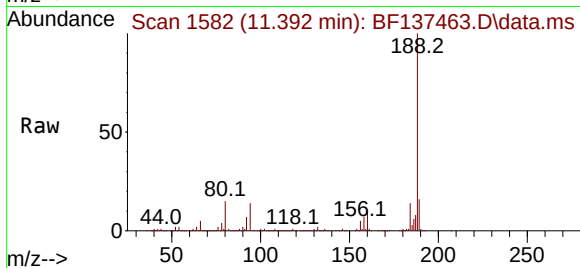
Tgt Ion:188 Resp: 546937

Ion Ratio Lower Upper

188 100

94 13.7 10.6 15.8

80 14.8 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 4.659 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.259 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

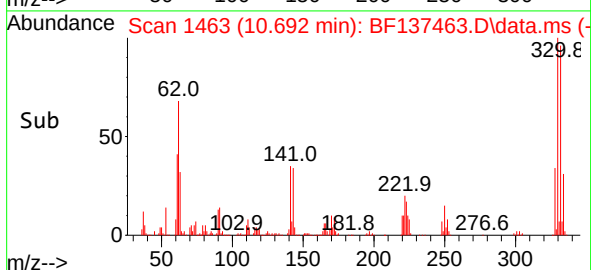
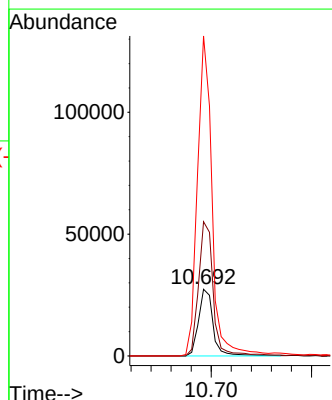
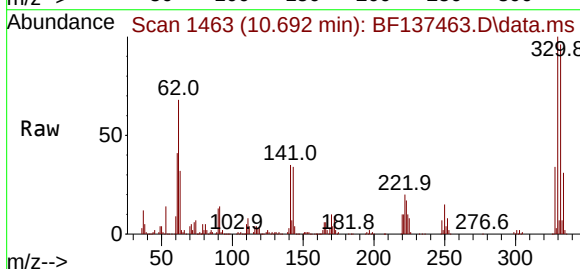
Tgt Ion:248 Resp: 27757

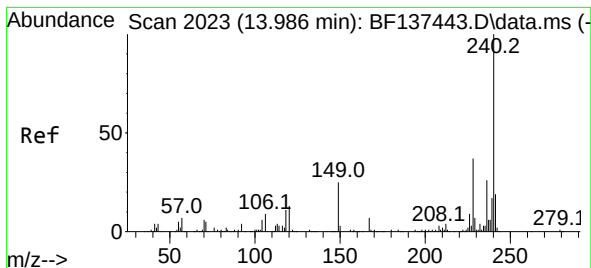
Ion Ratio Lower Upper

248 100

250 201.1 76.8 115.2#

141 479.4 53.4 80.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-2

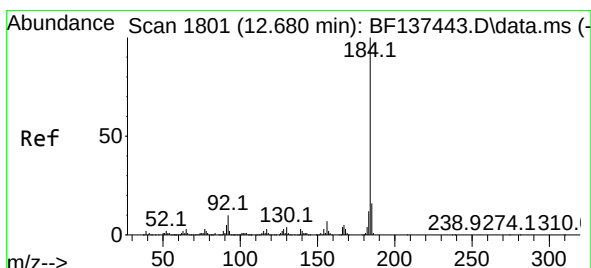
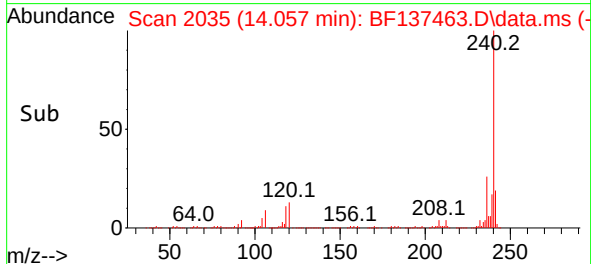
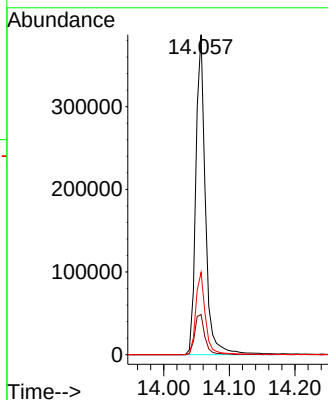
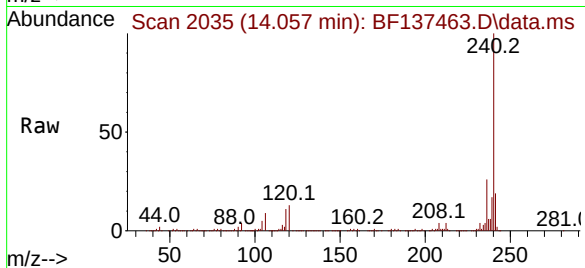
Tgt Ion:240 Resp: 394999

Ion Ratio Lower Upper

240 100

120 12.6 10.4 15.6

236 25.7 20.9 31.3



#77

Benzidine

Concen: 2.509 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.241 min

Lab File: BF137463.D

Acq: 01 Mar 2024 17:13

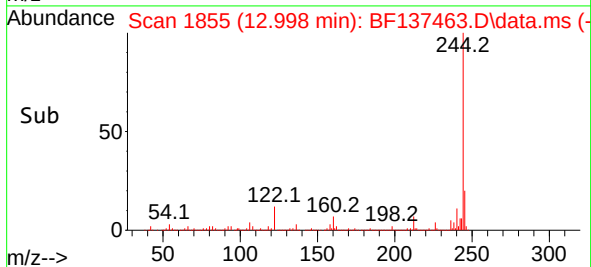
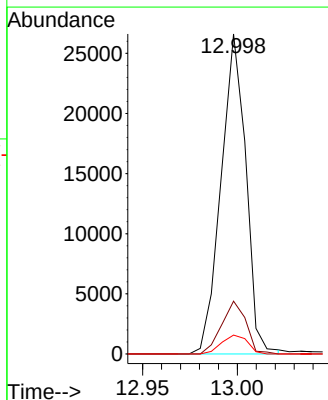
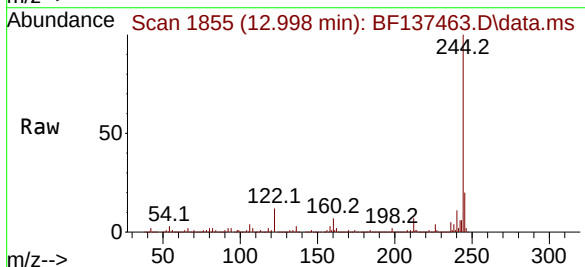
Tgt Ion:184 Resp: 24249

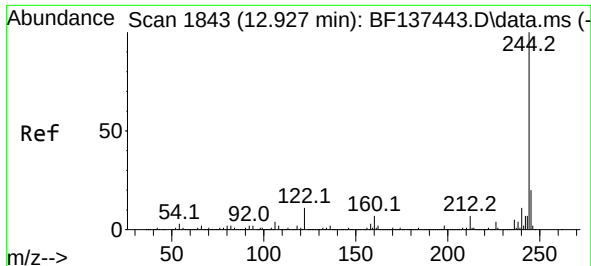
Ion Ratio Lower Upper

184 100

185 16.5 13.2 19.8

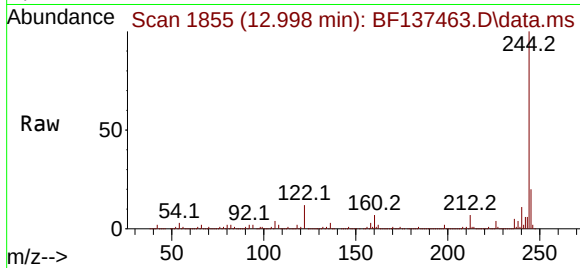
183 5.9 9.3 13.9#



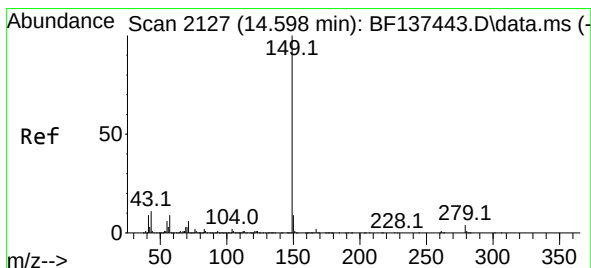
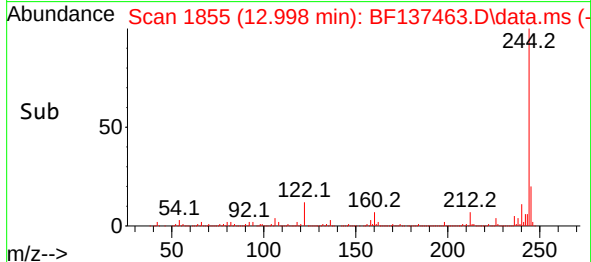
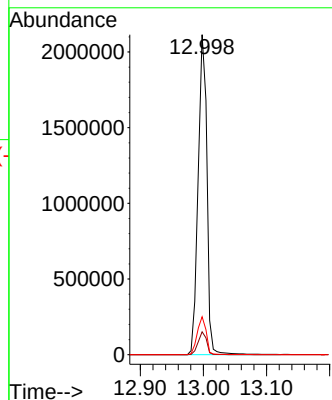


#79
 Terphenyl-d14
 Concen: 71.064 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.012 min
 Lab File: BF137463.D
 Acq: 01 Mar 2024 17:13

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

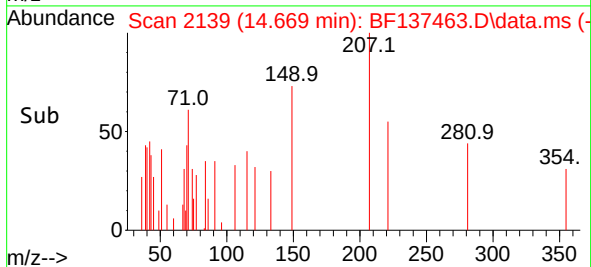
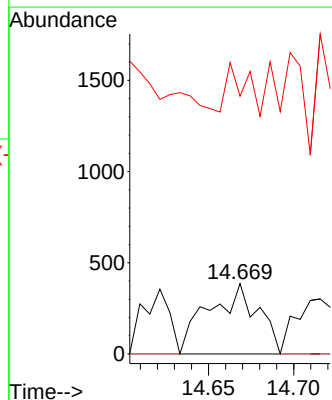
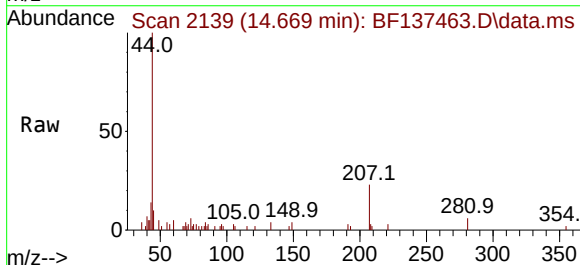


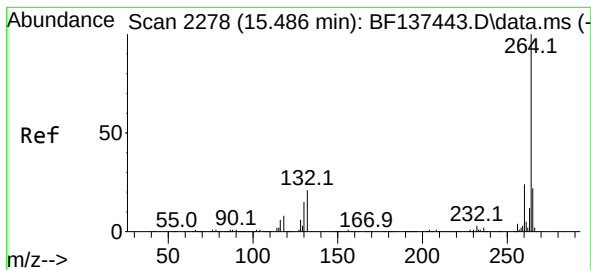
Tgt Ion:244 Resp: 2041322
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 11.9 9.1 13.7



#85
 Di-n-octyl phthalate
 Concen: 5.635 ng
 RT: 14.669 min Scan# 2139
 Delta R.T. -0.018 min
 Lab File: BF137463.D
 Acq: 01 Mar 2024 17:13

Tgt Ion:149 Resp: 773
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 53.3 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137463.D

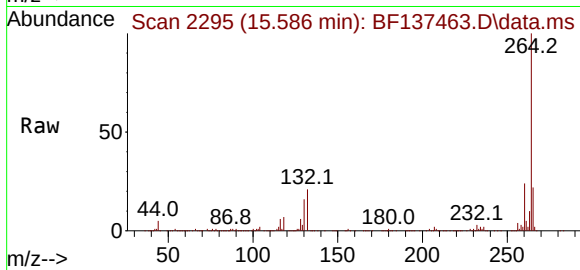
Acq: 01 Mar 2024 17:13

Instrument :

BNA_F

ClientSampleId :

WC-2



Tgt Ion:264 Resp: 312252

Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

265 22.2 17.4 26.0

