

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
 Data File : BF138439.D
 Acq On : 03 Jul 2024 11:28
 Operator : CG\JU
 Sample : PB161852BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB161852BL

Quant Time: Jul 03 11:54:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

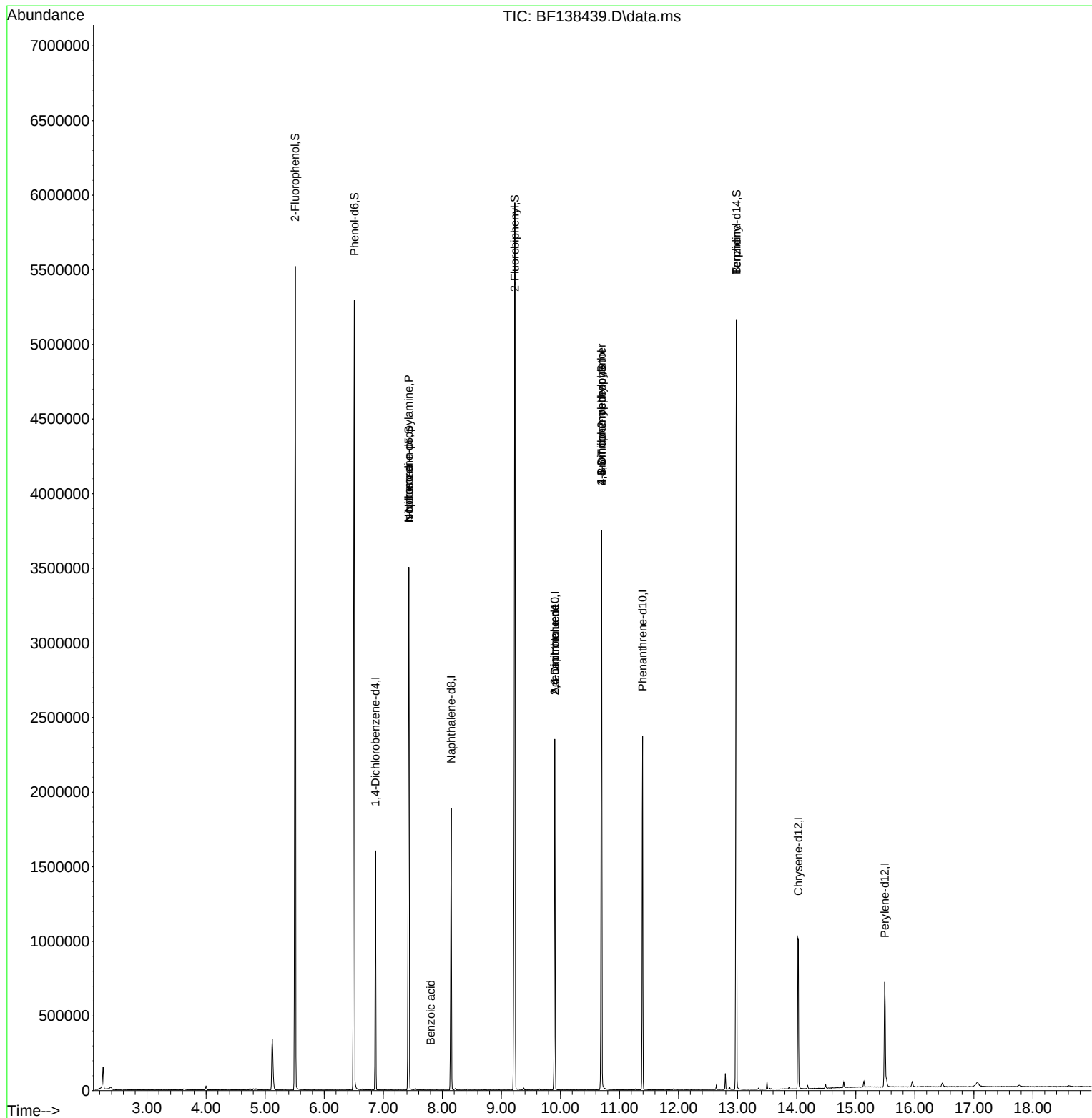
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	203611	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	839678	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	467779	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	789035	20.000	ng	0.00
76) Chrysene-d12	14.027	240	350780	20.000	ng	0.00
86) Perylene-d12	15.492	264	316335	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1511699	123.094	ng	0.01
7) Phenol-d6	6.510	99	1968332	118.979	ng	0.00
23) Nitrobenzene-d5	7.434	82	1324486	81.941	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	443172	115.959	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2205804	75.045	ng	0.00
79) Terphenyl-d14	12.980	244	1848963	72.235	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	177252	16.996	ng	# 77
25) Isophorone	7.434	82	1318055	44.223	ng	# 67
32) Benzoic acid	7.804	122	254	4.127	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	61542	9.140	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	61542	7.423	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.698	198	1137	6.036	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	29871	3.522	ng	# 1
77) Benzidine	12.980	184	24633	8.782	ng	# 95

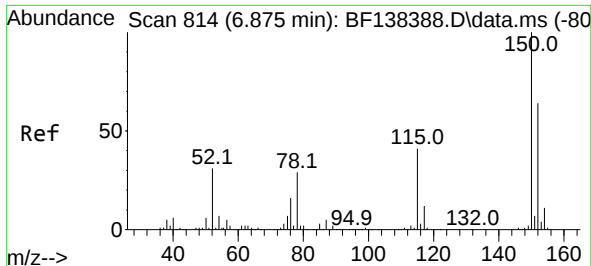
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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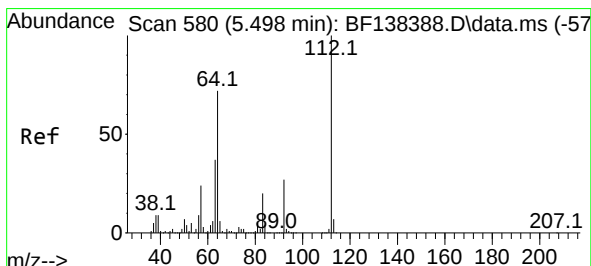
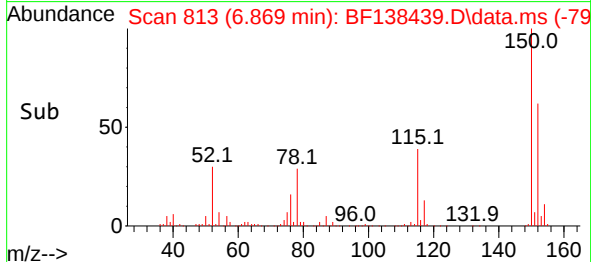
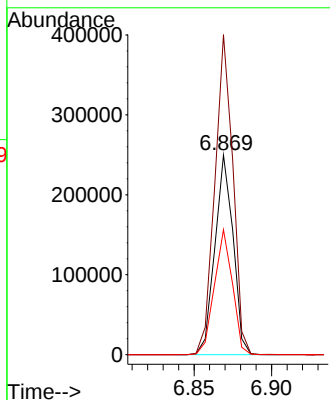
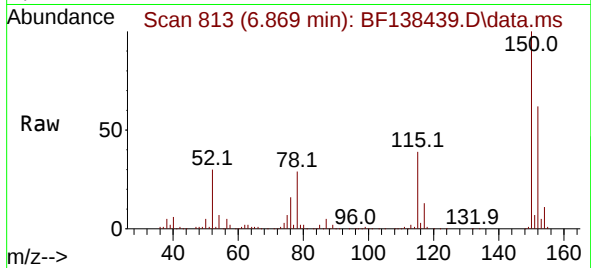




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

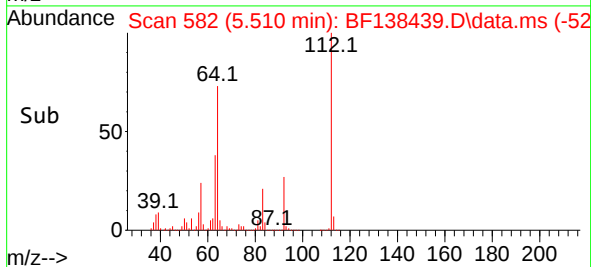
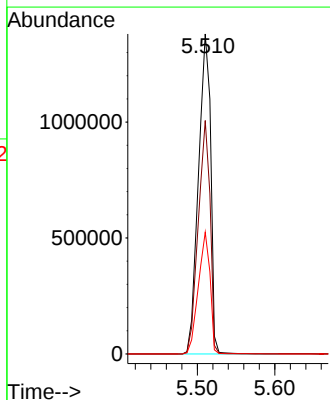
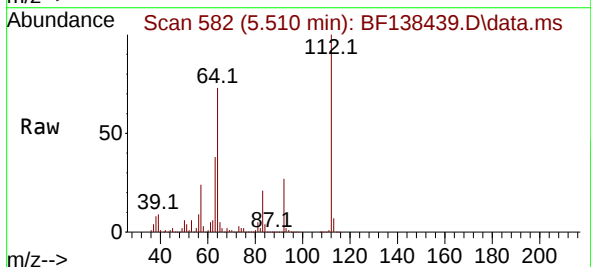
Instrument :
BNA_F
ClientSampleId :
PB161852BL

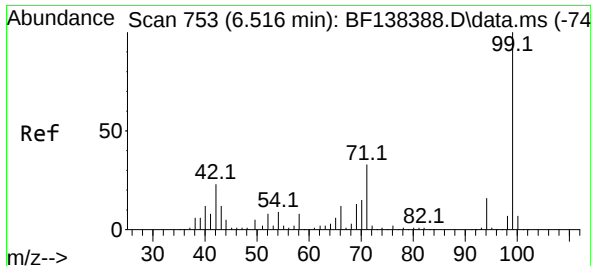
Tgt Ion:152 Resp: 203611
Ion Ratio Lower Upper
152 100
150 160.3 124.9 187.3
115 62.6 50.8 76.2



#5
2-Fluorophenol
Concen: 123.094 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.012 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

Tgt Ion:112 Resp: 1511699
Ion Ratio Lower Upper
112 100
64 73.0 57.2 85.8
63 38.1 29.4 44.0



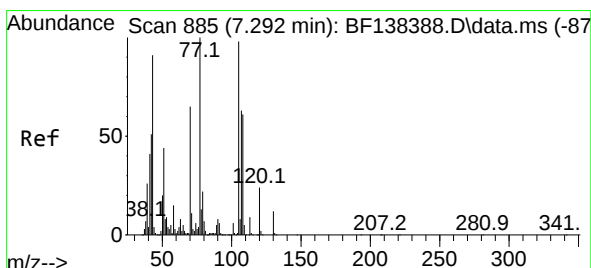
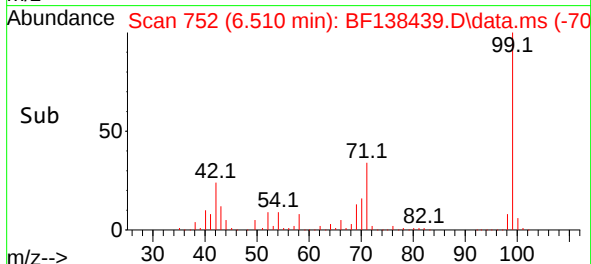
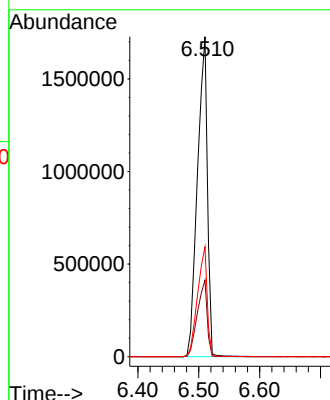
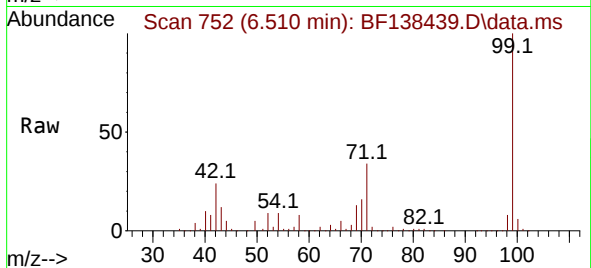


#7
Phenol-d6
Concen: 118.979 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

Instrument :
BNA_F
ClientSampleId :
PB161852BL

Tgt Ion: 99 Resp: 1968332

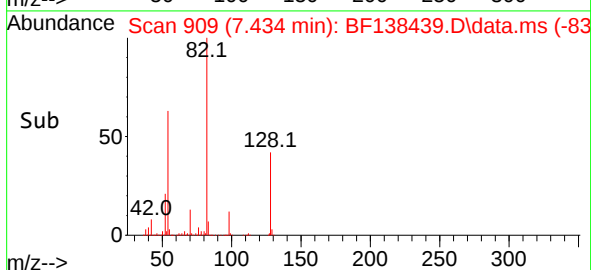
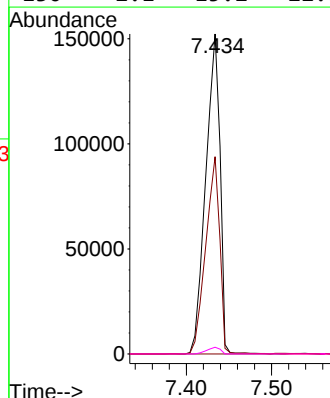
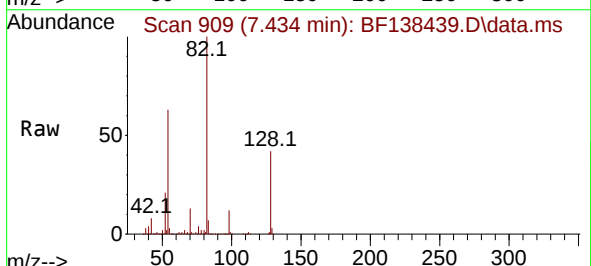
Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.5	27.7
71	34.3	26.1	39.1

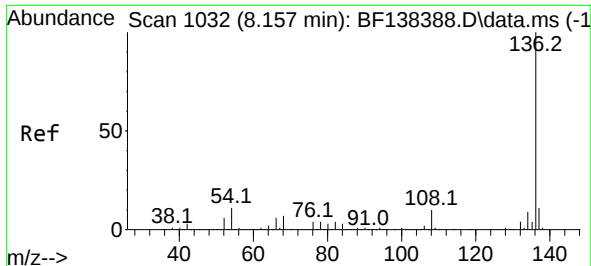


#19
n-Nitroso-di-n-propylamine
Concen: 16.996 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

Tgt Ion: 70 Resp: 177252

Ion	Ratio	Lower	Upper
70	100		
42	61.7	62.5	93.7#
101	0.0	7.0	10.4#
130	2.1	15.2	22.8#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

Instrument :

BNA_F

ClientSampleId :

PB161852BL

Tgt Ion:136 Resp: 839678

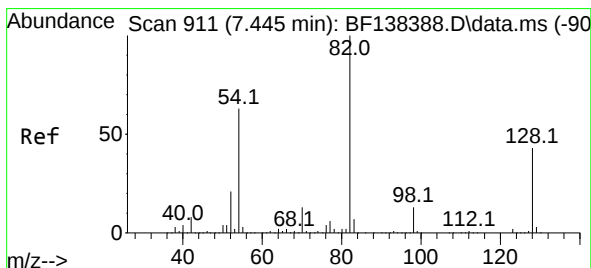
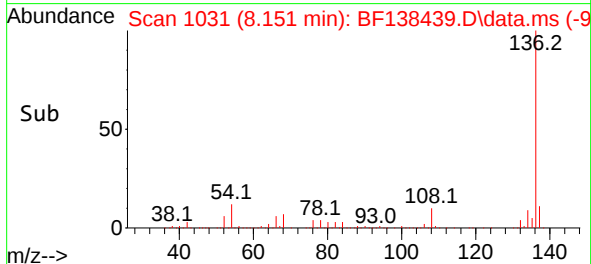
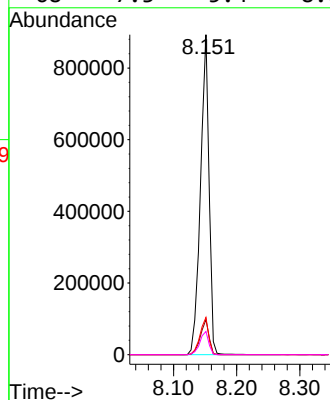
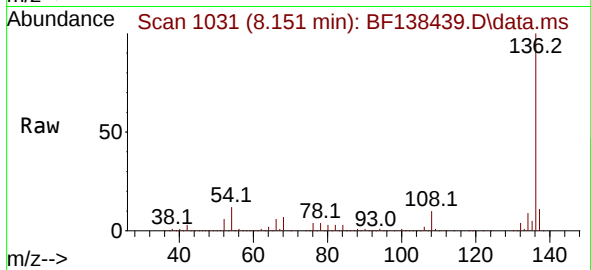
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 11.7 9.0 13.4

68 7.3 5.4 8.0



#23
Nitrobenzene-d5
Concen: 81.941 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

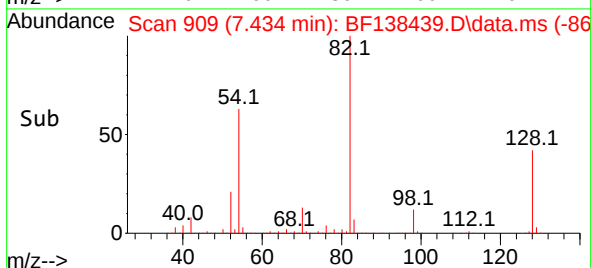
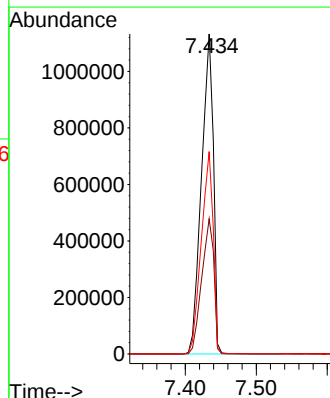
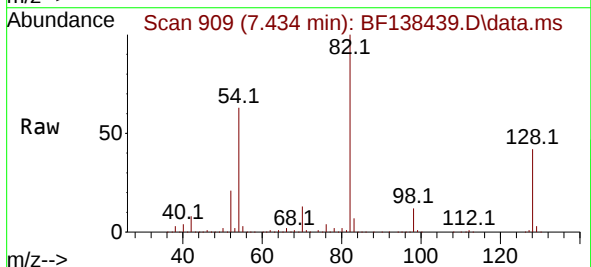
Tgt Ion: 82 Resp: 1324486

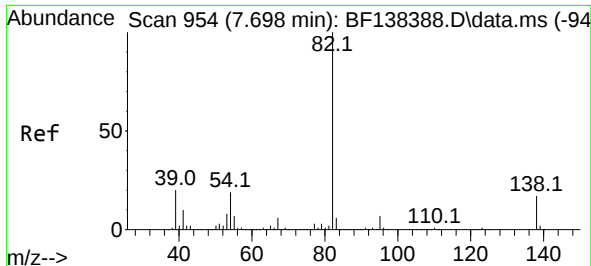
Ion Ratio Lower Upper

82 100

128 42.3 34.6 52.0

54 63.3 50.5 75.7

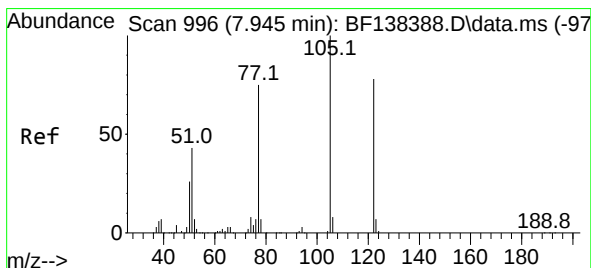
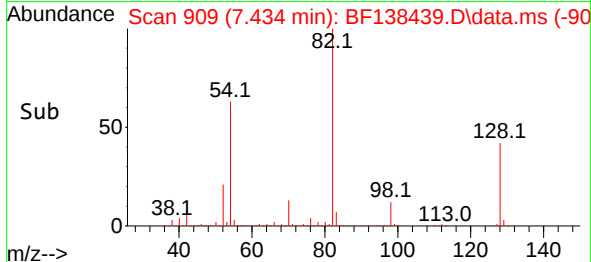
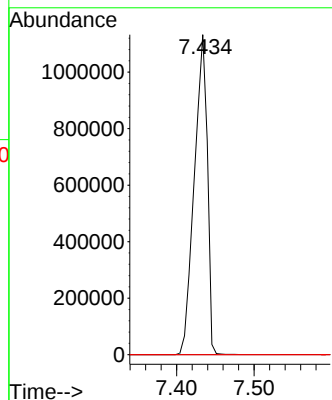
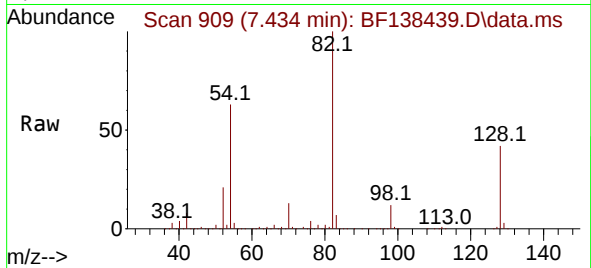




#25
Isophorone
Concen: 44.223 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

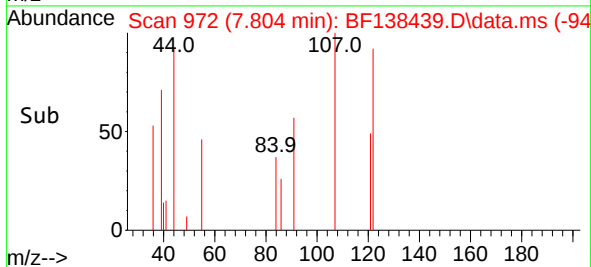
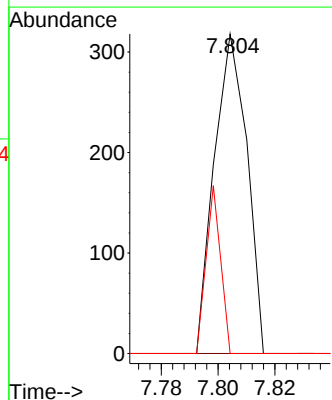
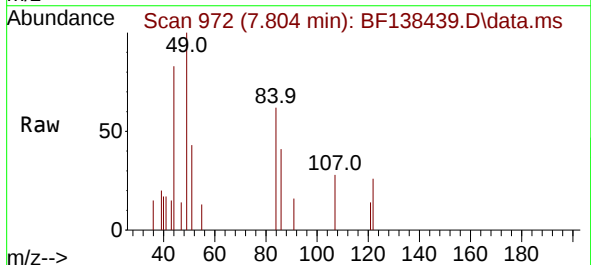
Instrument :
BNA_F
ClientSampleId :
PB161852BL

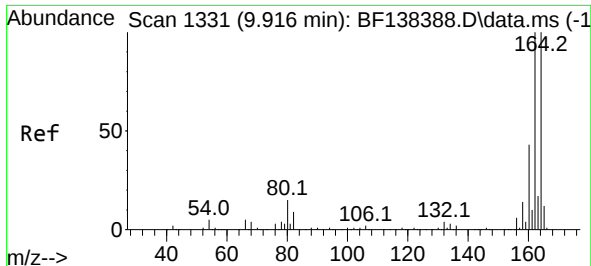
Tgt Ion: 82 Resp: 1318055
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.127 ng
RT: 7.804 min Scan# 972
Delta R.T. -0.141 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

Tgt Ion:122 Resp: 254
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 0.0 74.3 114.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138439.D

Acq: 03 Jul 2024 11:28

Instrument :

BNA_F

ClientSampleId :

PB161852BL

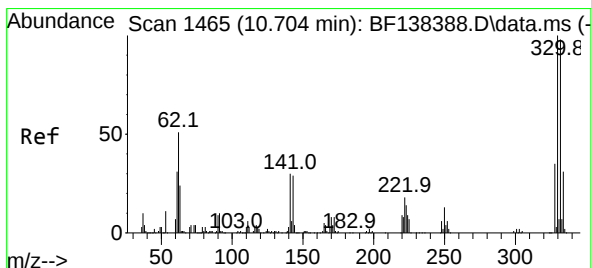
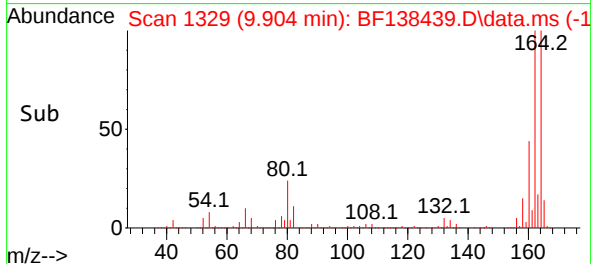
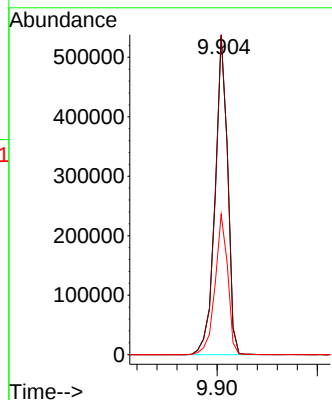
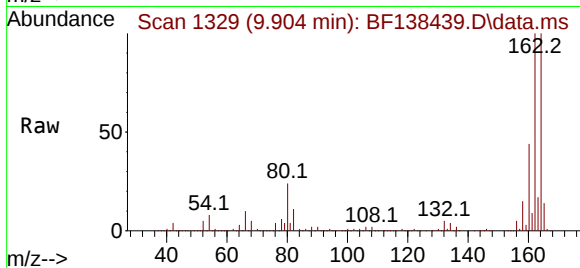
Tgt Ion:164 Resp: 467779

Ion Ratio Lower Upper

164 100

162 100.4 80.1 120.1

160 44.0 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 115.959 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF138439.D

Acq: 03 Jul 2024 11:28

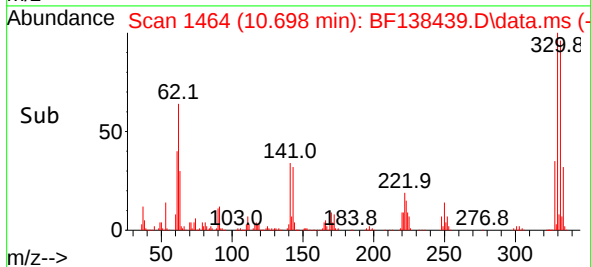
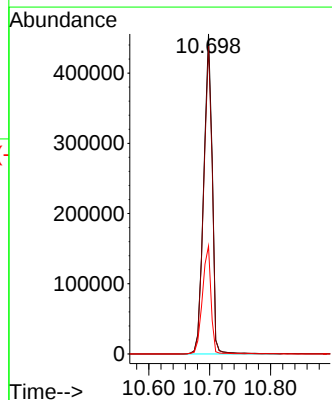
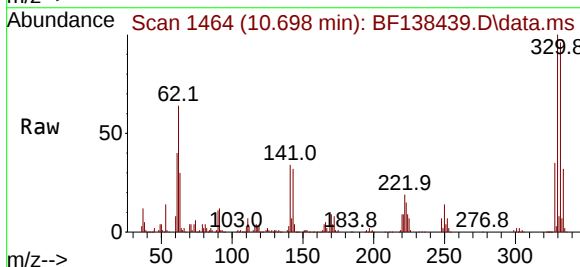
Tgt Ion:330 Resp: 443172

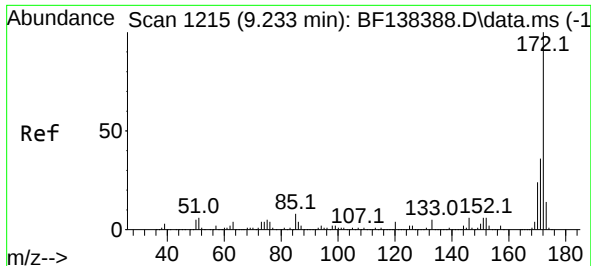
Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 34.0 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 75.045 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF138439.D

Acq: 03 Jul 2024 11:28

Instrument :

BNA_F

ClientSampleId :

PB161852BL

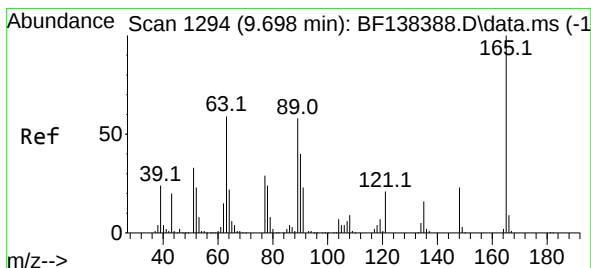
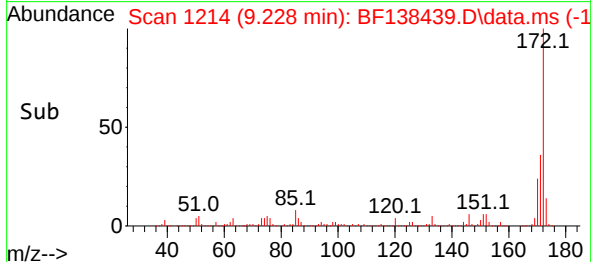
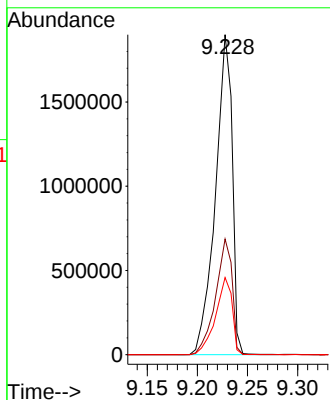
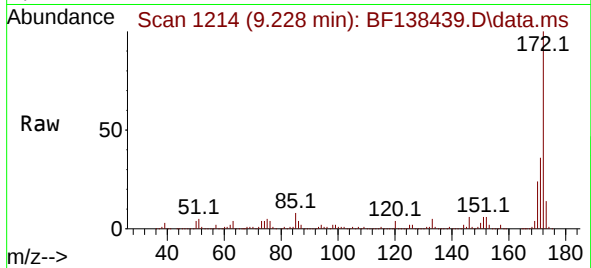
Tgt Ion:172 Resp: 2205804

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.4

170 24.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.140 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF138439.D

Acq: 03 Jul 2024 11:28

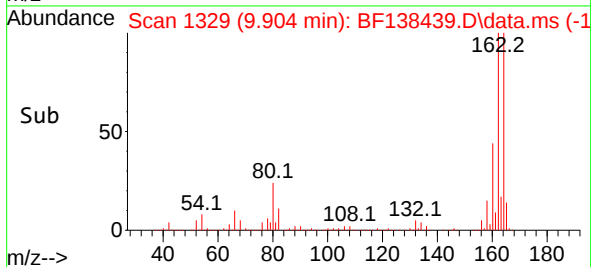
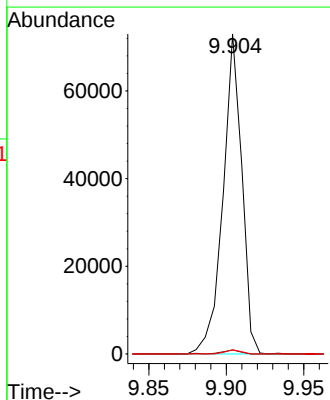
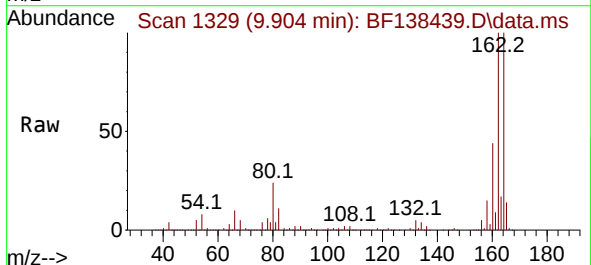
Tgt Ion:165 Resp: 61542

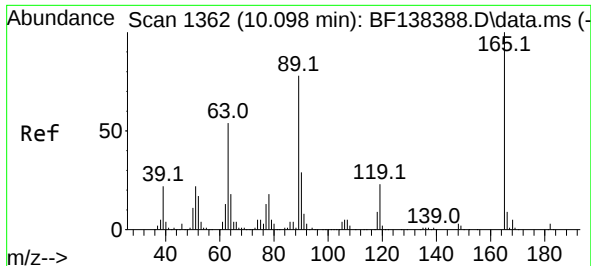
Ion Ratio Lower Upper

165 100

63 1.3 53.8 80.8#

89 1.3 46.4 69.6#

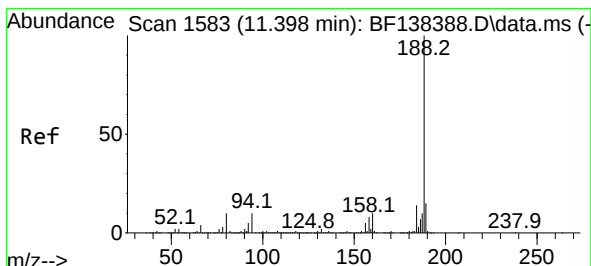
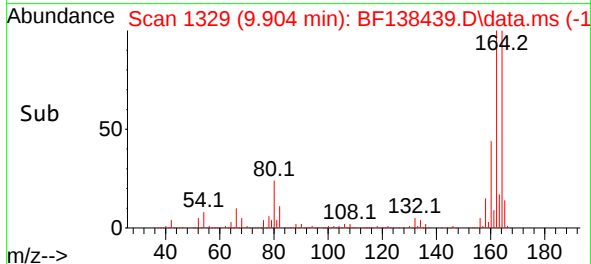
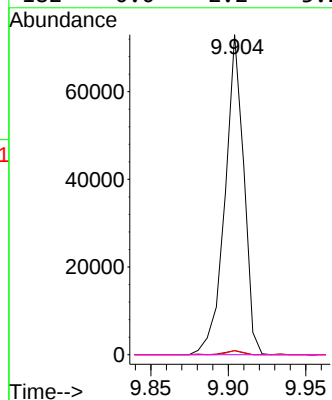
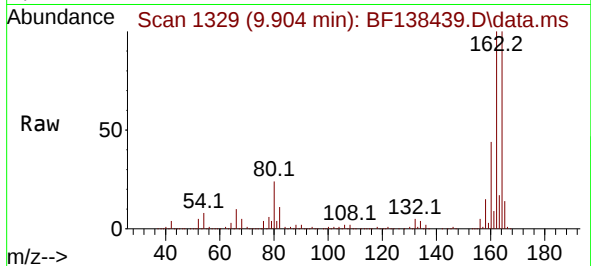




#57
2,4-Dinitrotoluene
Concen: 7.423 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

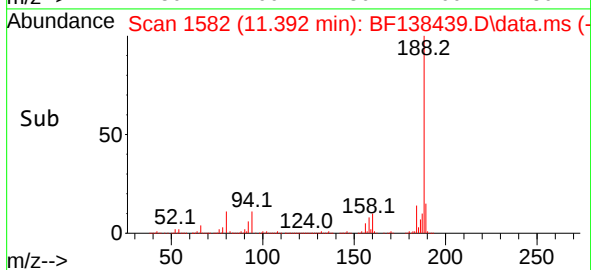
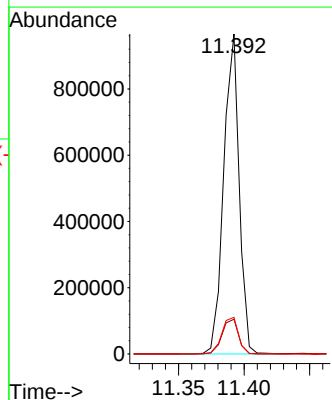
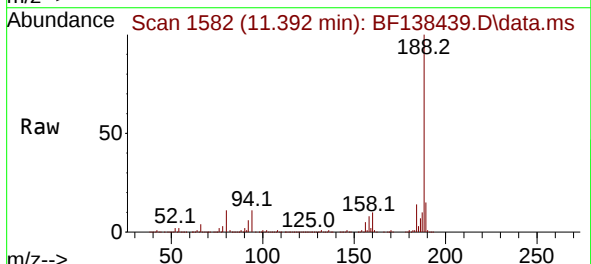
Instrument :
BNA_F
ClientSampleId :
PB161852BL

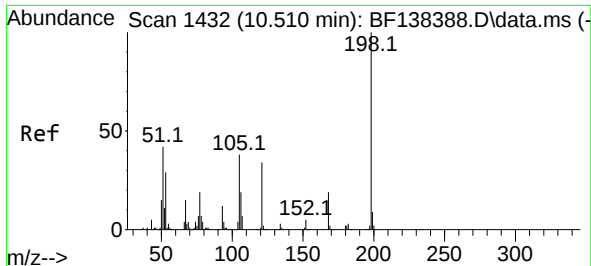
Tgt Ion:165 Resp: 61542
Ion Ratio Lower Upper
165 100
63 1.3 43.4 65.2#
89 1.3 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

Tgt Ion:188 Resp: 789035
Ion Ratio Lower Upper
188 100
94 10.9 8.0 12.0
80 11.4 8.2 12.4

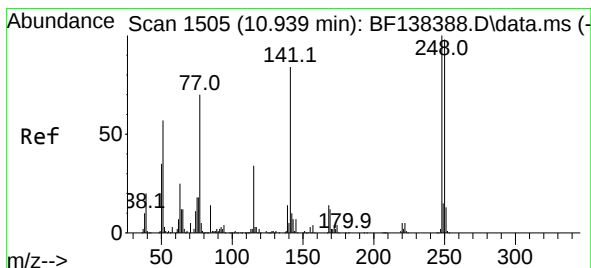
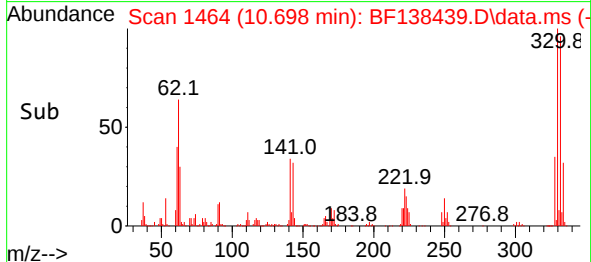
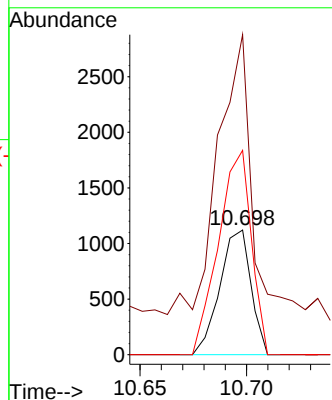
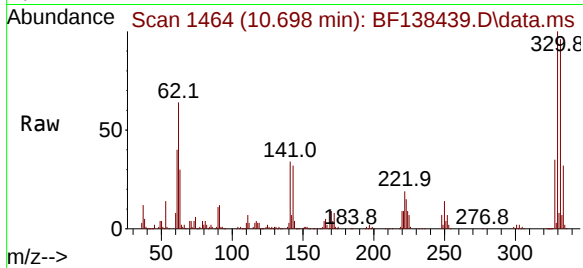




#65
4,6-Dinitro-2-methylphenol
Concen: 6.036 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

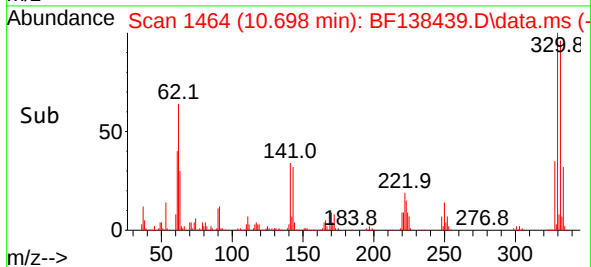
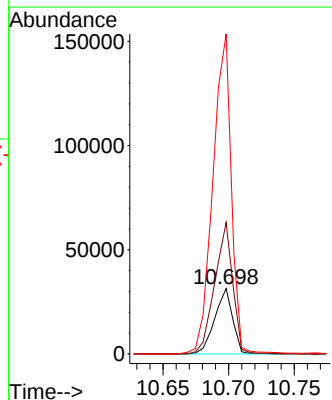
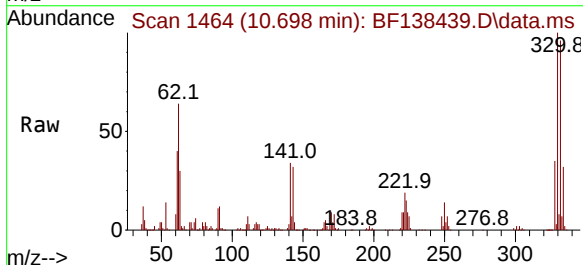
Instrument :
BNA_F
ClientSampleId :
PB161852BL

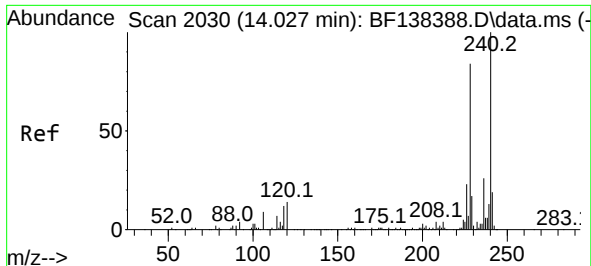
Tgt Ion:198 Resp: 1137
Ion Ratio Lower Upper
198 100
51 256.7 27.9 67.9#
105 164.0 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 3.522 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

Tgt Ion:248 Resp: 29871
Ion Ratio Lower Upper
248 100
250 200.8 78.2 117.4#
141 488.3 67.6 101.4#

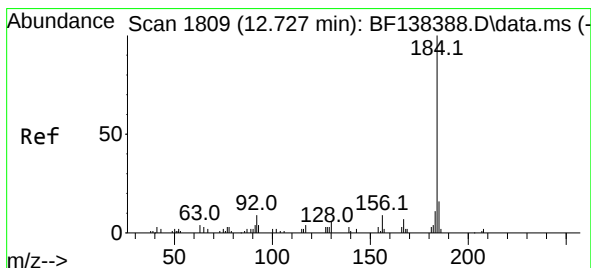
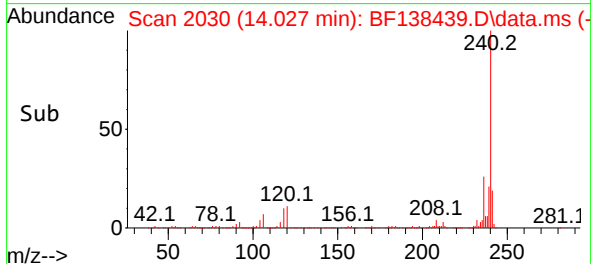
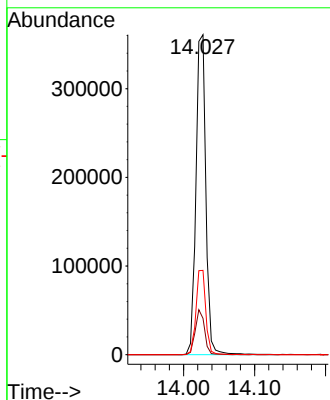
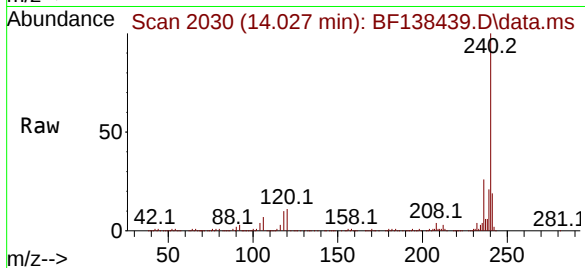




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

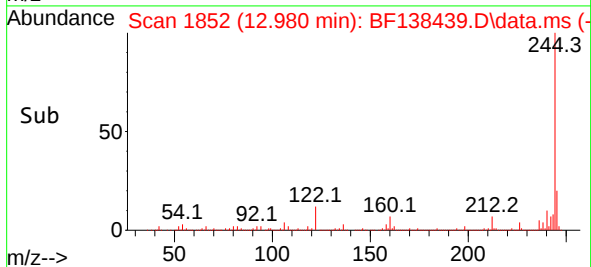
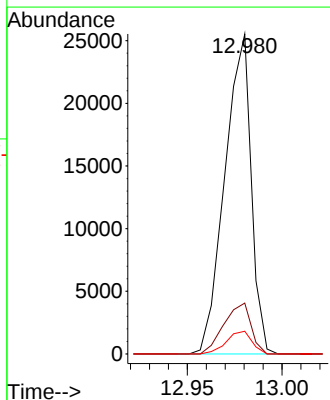
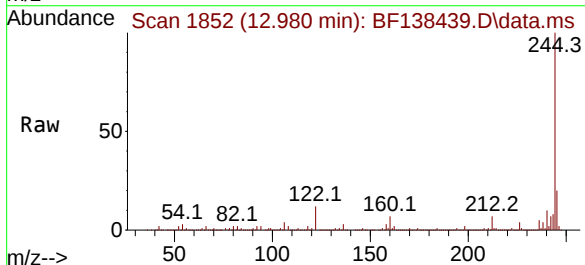
Instrument :
BNA_F
ClientSampleId :
PB161852BL

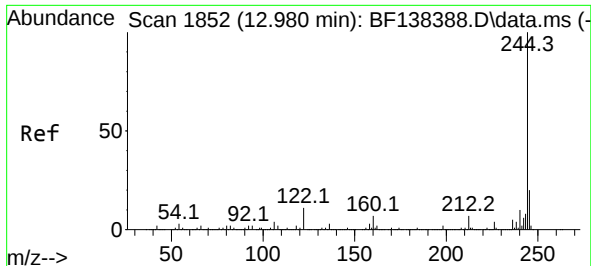
Tgt Ion:240 Resp: 350780
Ion Ratio Lower Upper
240 100
120 11.4 10.9 16.3
236 26.4 20.6 30.8



#77
Benzidine
Concen: 8.782 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF138439.D
Acq: 03 Jul 2024 11:28

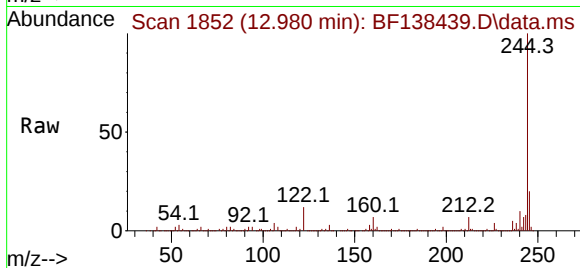
Tgt Ion:184 Resp: 24633
Ion Ratio Lower Upper
184 100
185 15.9 13.0 19.4
183 7.1 9.0 13.6#





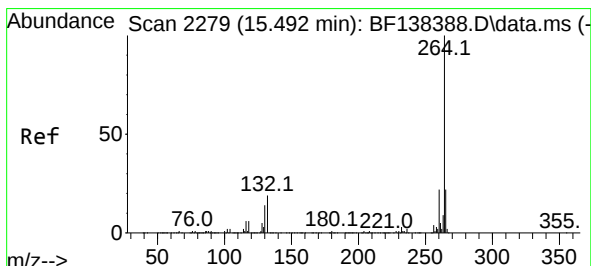
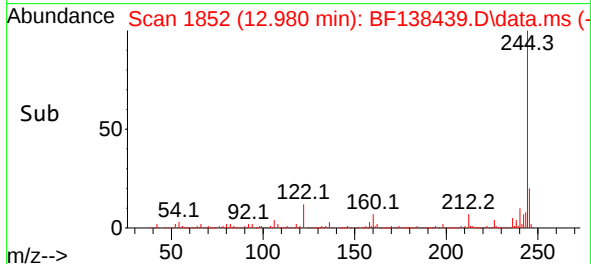
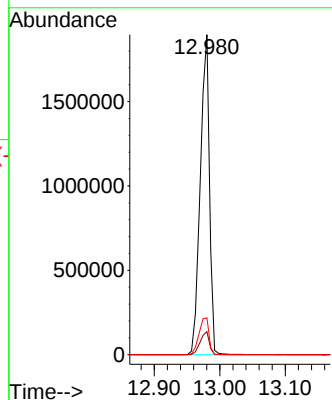
#79
 Terphenyl-d14
 Concen: 72.235 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF138439.D
 Acq: 03 Jul 2024 11:28

Instrument :
 BNA_F
 ClientSampleId :
 PB161852BL



Tgt Ion:244 Resp: 1848963

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.5	9.0	13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2279
 Delta R.T. 0.000 min
 Lab File: BF138439.D
 Acq: 03 Jul 2024 11:28

Tgt Ion:264 Resp: 316335

Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.8	26.6
265	21.4	17.5	26.3

