

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100324\
 Data File : BF139639.D
 Acq On : 03 Oct 2024 18:54
 Operator : RC/JU
 Sample : P4232-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-R

Quant Time: Oct 04 01:16:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

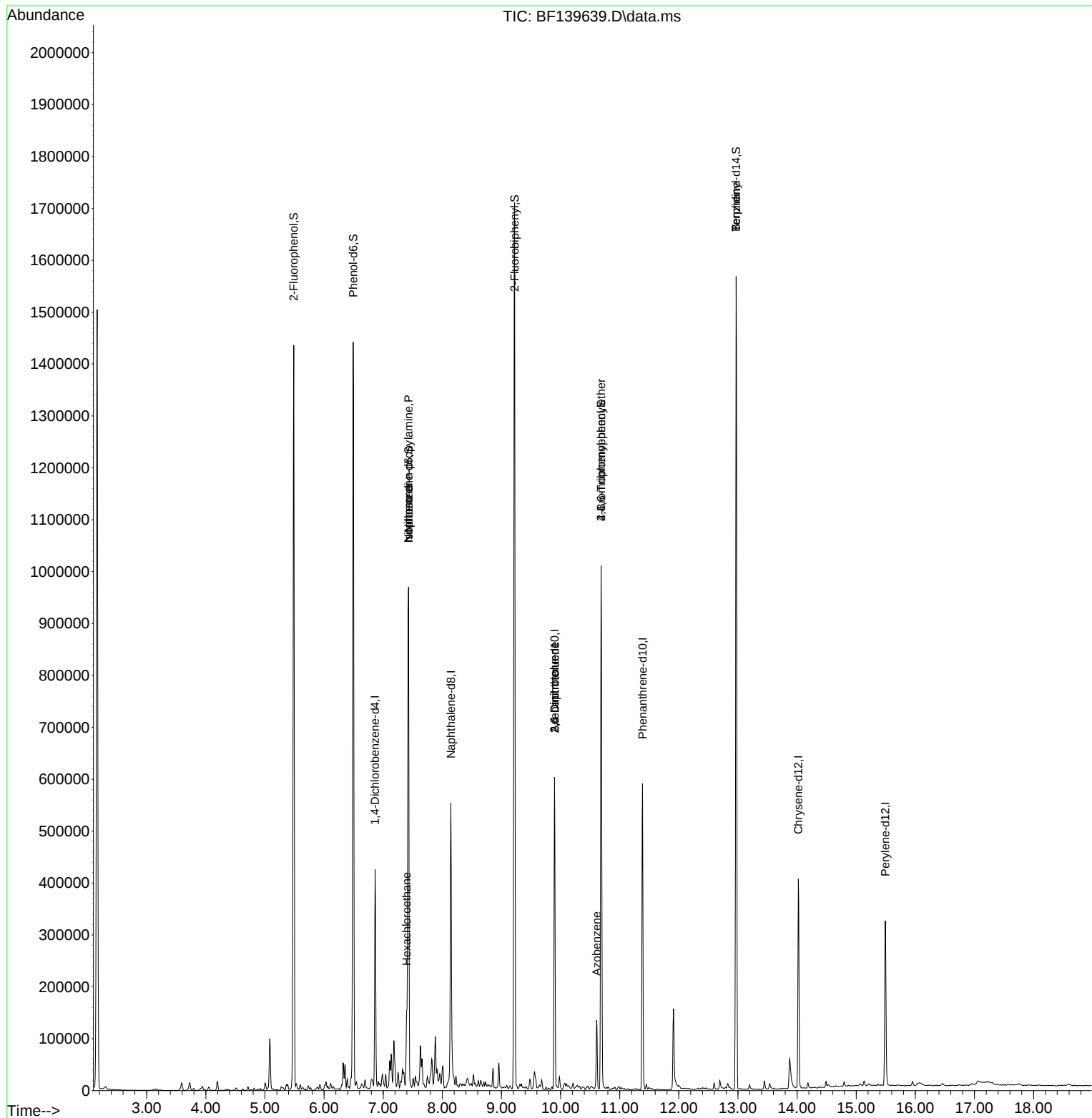
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	81061	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	304907	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	166142	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	305133	20.000	ng	0.00
76) Chrysene-d12	14.021	240	183794	20.000	ng	-0.01
86) Perylene-d12	15.492	264	182163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	479395	102.504	ng	0.00
7) Phenol-d6	6.492	99	633215	100.681	ng	-0.01
23) Nitrobenzene-d5	7.428	82	408985	67.913	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	151924	94.726	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	751100	69.403	ng	0.00
79) Terphenyl-d14	12.969	244	755744	67.469	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	7.398	117	8721	4.095	ng	# 1
19) n-Nitroso-di-n-propyla...	7.428	70	55554	13.739	ng	# 75
25) Isophorone	7.428	82	406082	37.965	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	22161	9.020	ng	# 20
57) 2,4-Dinitrotoluene	9.898	165	22161	6.901	ng	# 19
63) Azobenzene	10.610	77	34372	3.043	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	10569	3.378	ng	# 1
77) Benzidine	12.969	184	10276	3.170	ng	# 91

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

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Response via : Initial Calibration

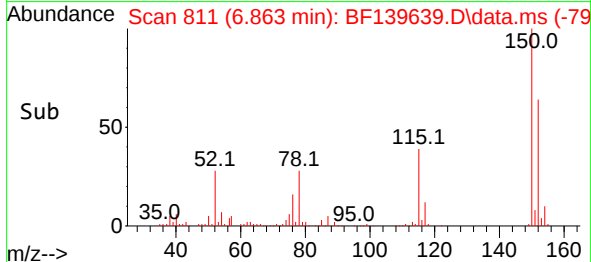
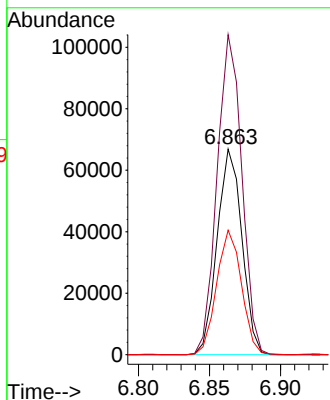
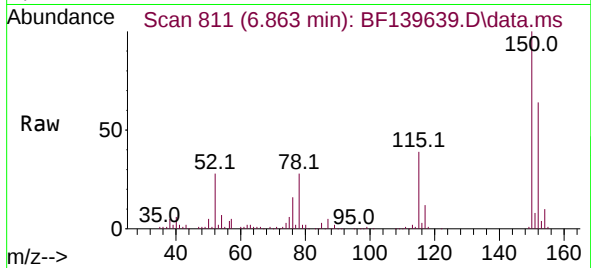




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

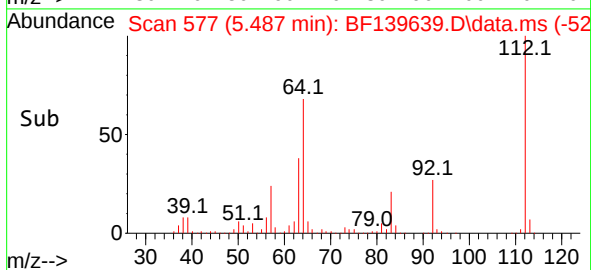
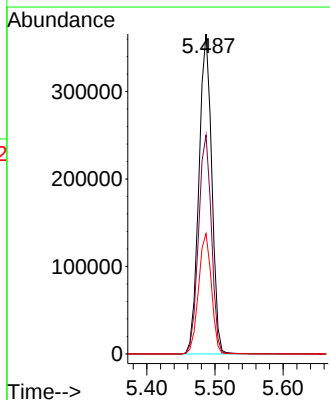
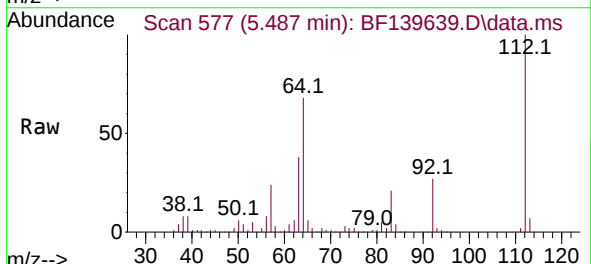
Instrument :
BNA_F
ClientSampleId :
TP-R

Tgt Ion:152 Resp: 81061
Ion Ratio Lower Upper
152 100
150 155.7 127.2 190.8
115 60.5 49.0 73.4



#5
2-Fluorophenol
Concen: 102.504 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

Tgt Ion:112 Resp: 479395
Ion Ratio Lower Upper
112 100
64 68.4 54.2 81.4
63 37.6 29.4 44.2

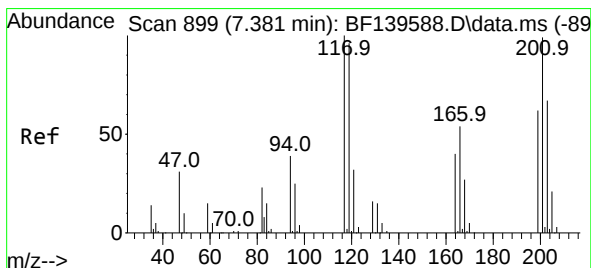
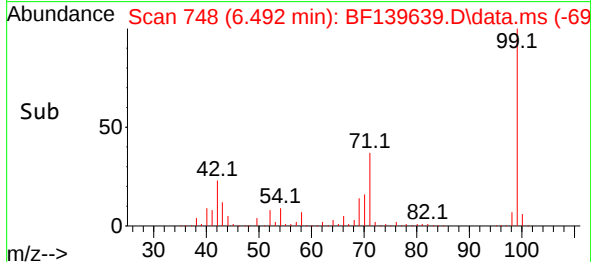
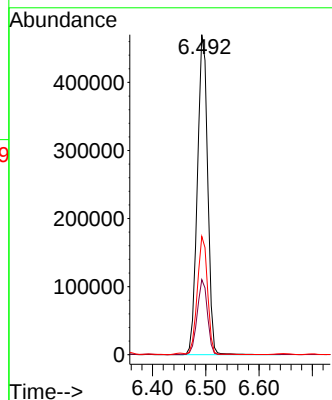
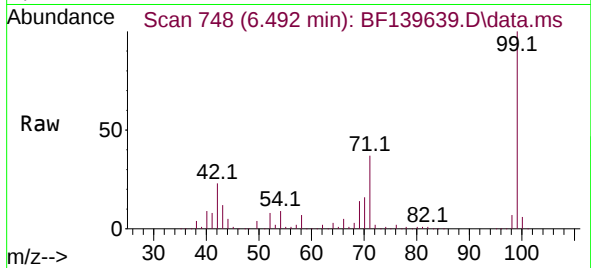




#7
Phenol-d6
Concen: 100.681 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

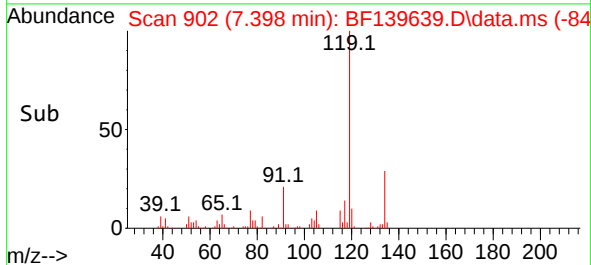
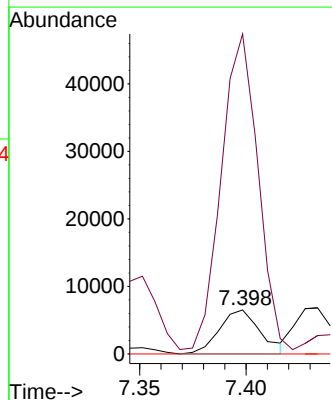
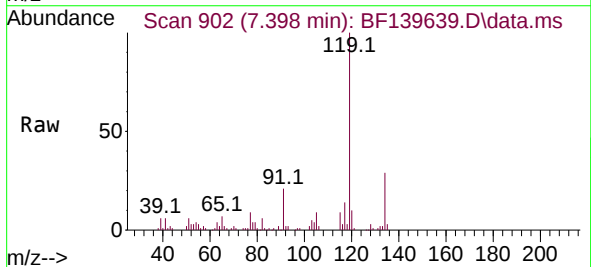
Instrument :
BNA_F
ClientSampleId :
TP-R

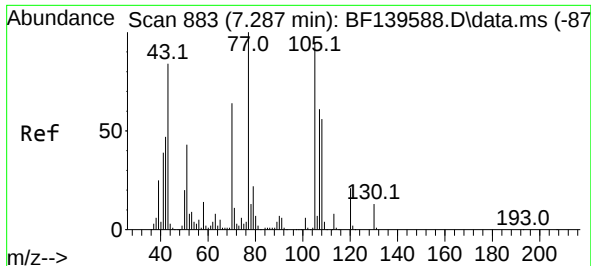
Tgt Ion: 99 Resp: 633215
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 37.0 29.7 44.5



#18
Hexachloroethane
Concen: 4.095 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.018 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

Tgt Ion: 117 Resp: 8721
Ion Ratio Lower Upper
117 100
119 726.4 77.0 115.6#
201 0.0 79.2 118.8#

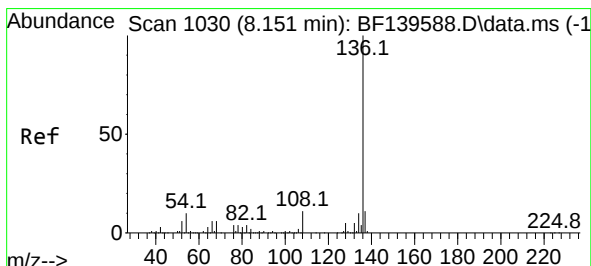
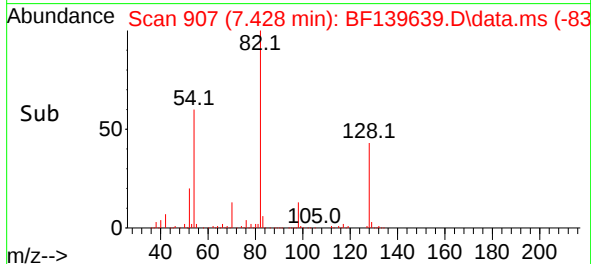
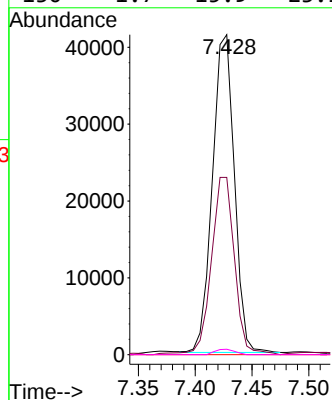
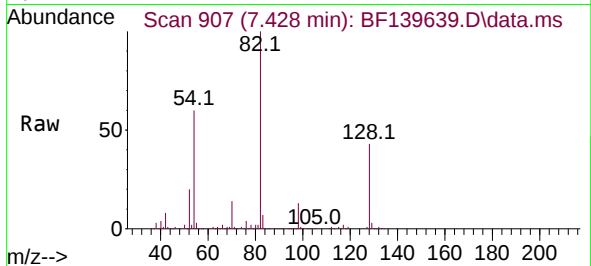




#19
n-Nitroso-di-n-propylamine
Concen: 13.739 ng
RT: 7.428 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

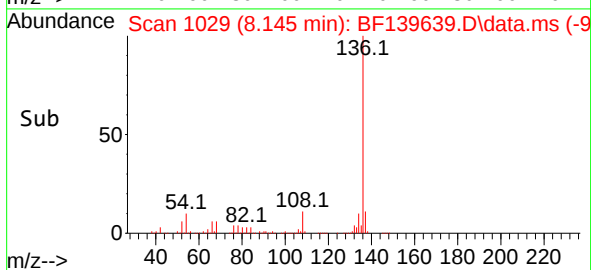
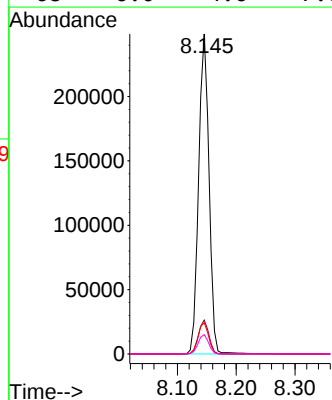
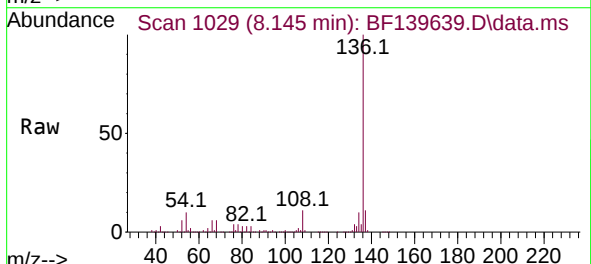
Instrument :
BNA_F
ClientSampleId :
TP-R

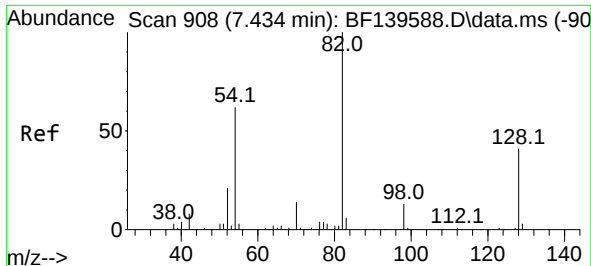
Tgt Ion: 70 Resp: 55554
Ion Ratio Lower Upper
70 100
42 55.4 58.0 87.0#
101 0.0 7.8 11.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

Tgt Ion: 136 Resp: 304907
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.8 8.3 12.5
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 67.913 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

Instrument :

BNA_F

ClientSampleId :

TP-R

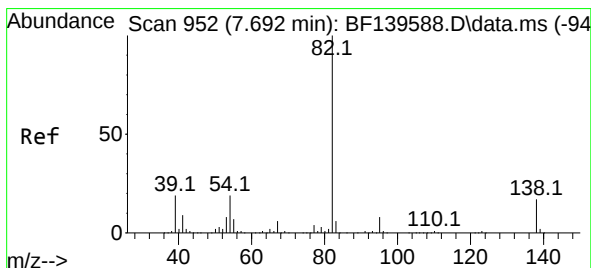
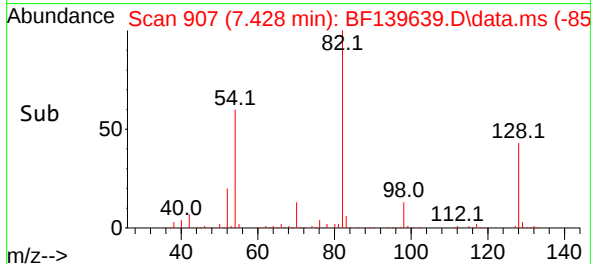
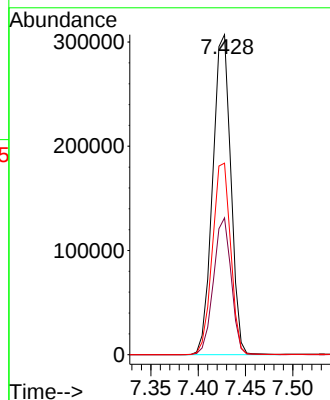
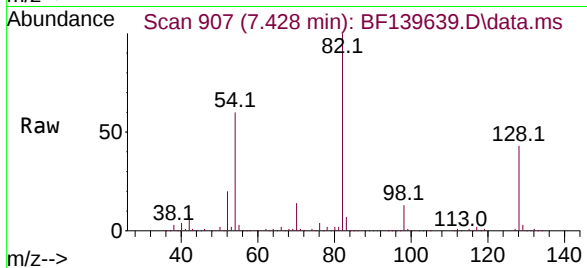
Tgt Ion: 82 Resp: 408985

Ion Ratio Lower Upper

82 100

128 42.8 32.4 48.6

54 59.8 49.1 73.7



#25

Isophorone

Concen: 37.965 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.265 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

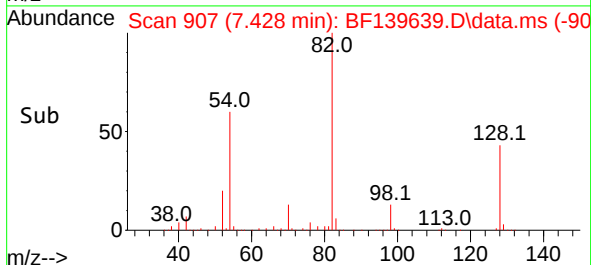
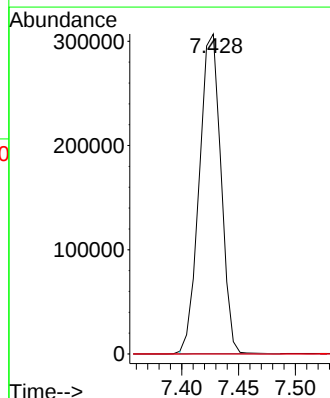
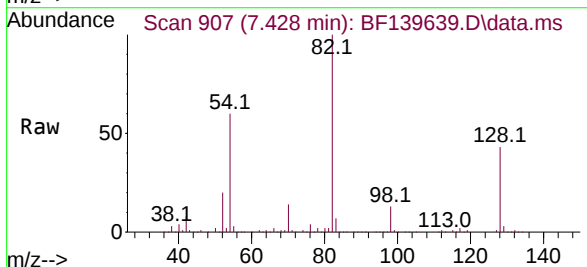
Tgt Ion: 82 Resp: 406082

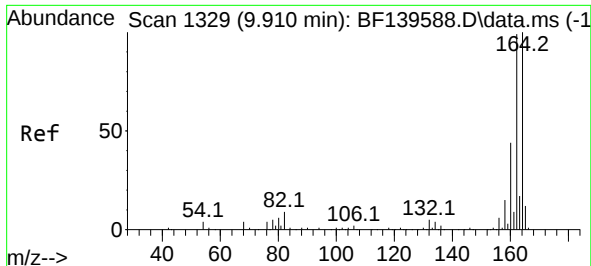
Ion Ratio Lower Upper

82 100

95 0.1 6.1 9.1#

138 0.0 13.4 20.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

Instrument :

BNA_F

ClientSampleId :

TP-R

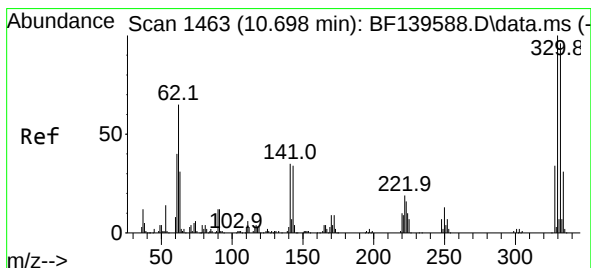
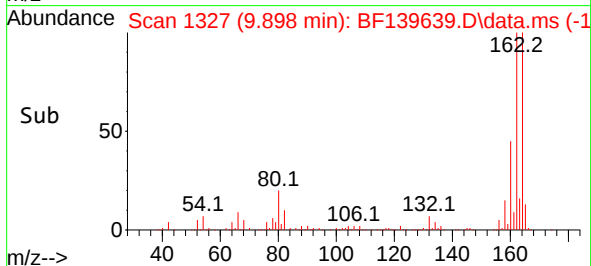
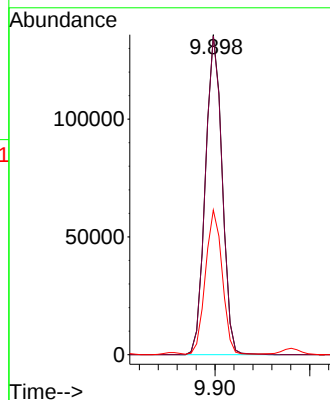
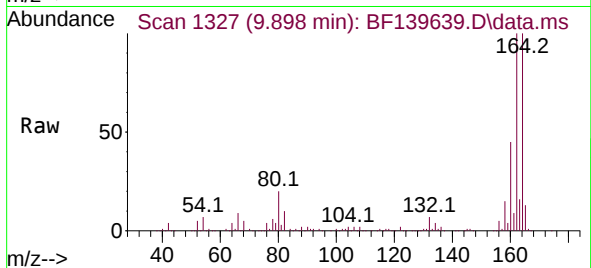
Tgt Ion:164 Resp: 166142

Ion Ratio Lower Upper

164 100

162 99.6 79.4 119.0

160 45.2 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 94.726 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

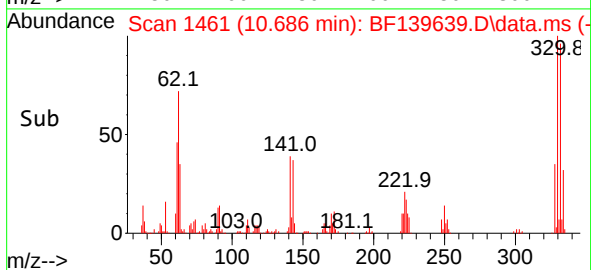
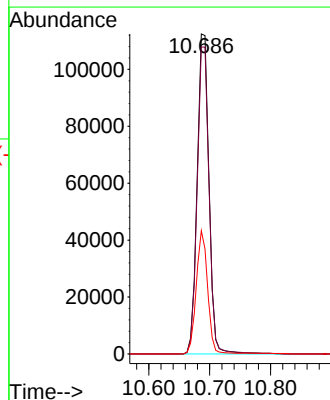
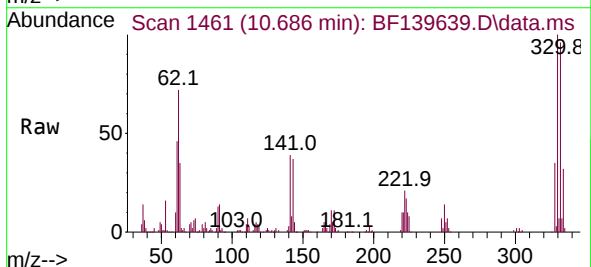
Tgt Ion:330 Resp: 151924

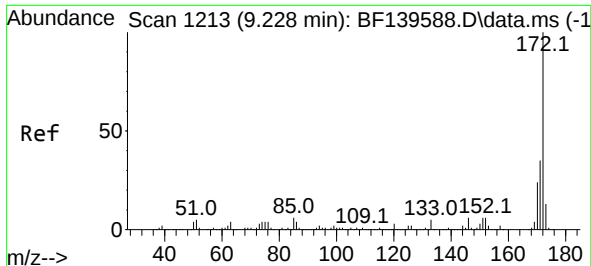
Ion Ratio Lower Upper

330 100

332 96.2 76.5 114.7

141 36.9 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 69.403 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

Instrument :

BNA_F

ClientSampleId :

TP-R

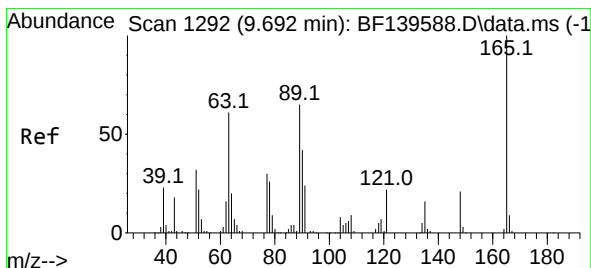
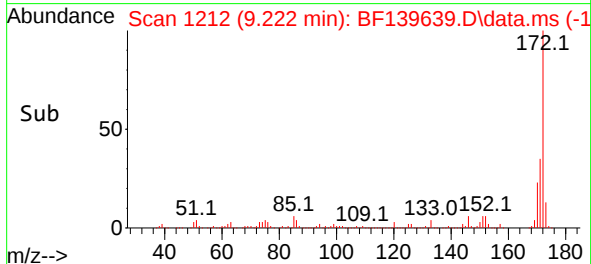
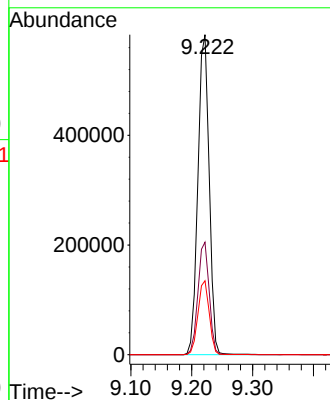
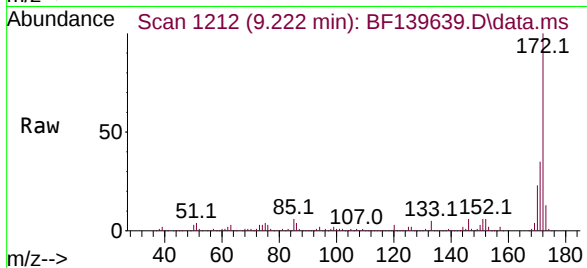
Tgt Ion:172 Resp: 751100

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.1 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.020 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.206 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

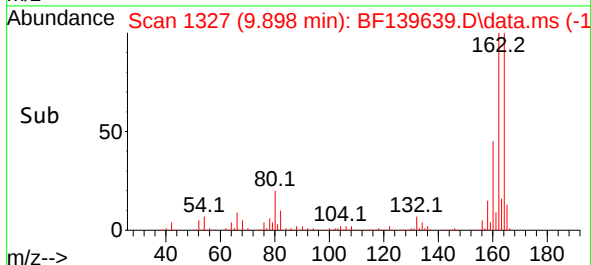
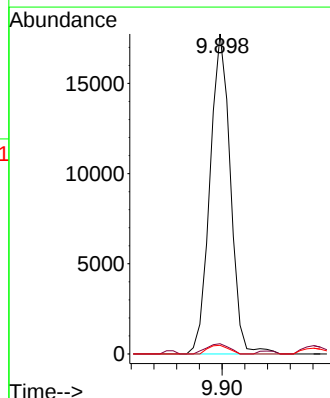
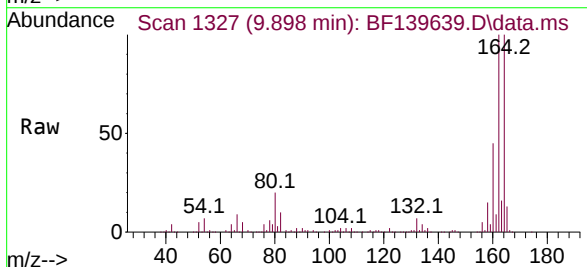
Tgt Ion:165 Resp: 22161

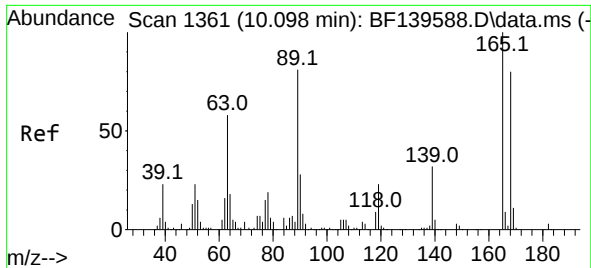
Ion Ratio Lower Upper

165 100

63 3.2 56.7 85.1#

89 2.7 51.6 77.4#

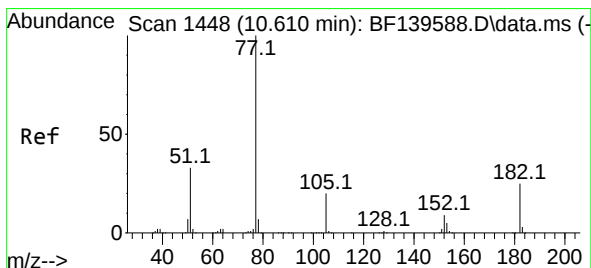
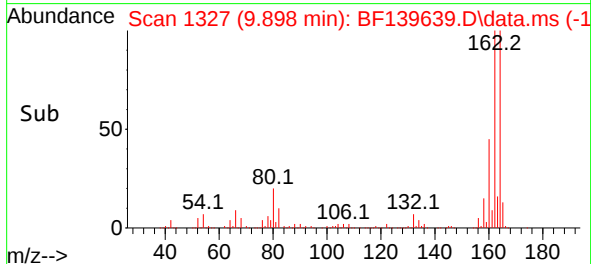
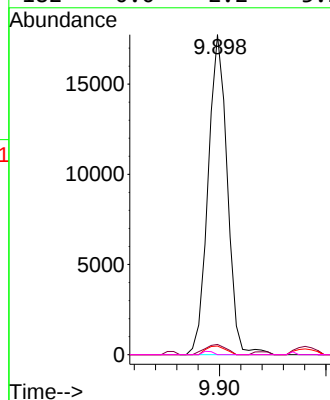
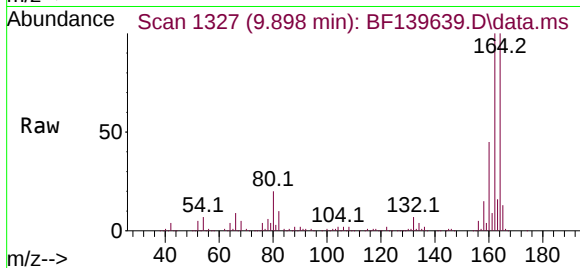




#57
2,4-Dinitrotoluene
Concen: 6.901 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

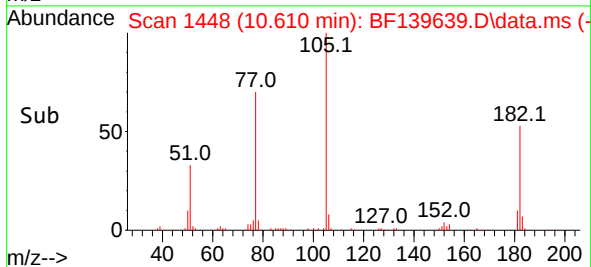
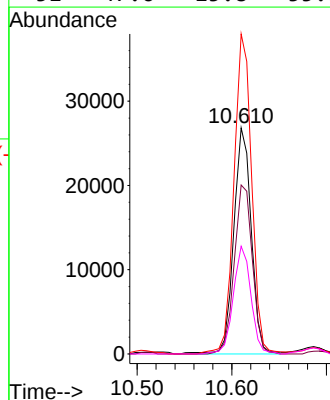
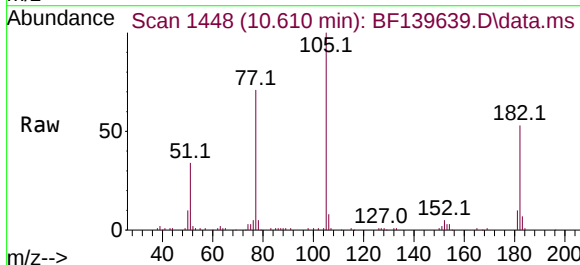
Instrument :
BNA_F
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TP-R

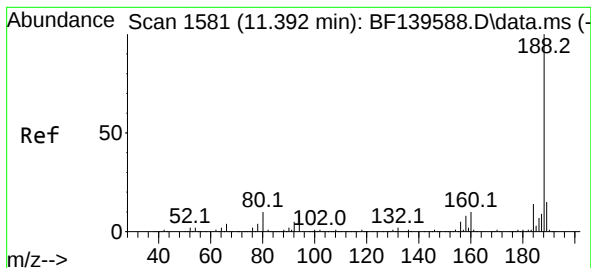
Tgt Ion:165	Resp:	22161
Ion Ratio	Lower	Upper
165	100	
63	3.2	46.9 70.3#
89	2.7	64.4 96.6#
182	0.0	2.2 3.2#



#63
Azobenzene
Concen: 3.043 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF139639.D
Acq: 03 Oct 2024 18:54

Tgt Ion: 77	Resp:	34372
Ion Ratio	Lower	Upper
77	100	
182	74.8	4.2 44.2#
105	141.5	0.0 39.6#
51	47.6	15.8 55.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

Instrument :

BNA_F

ClientSampleId :

TP-R

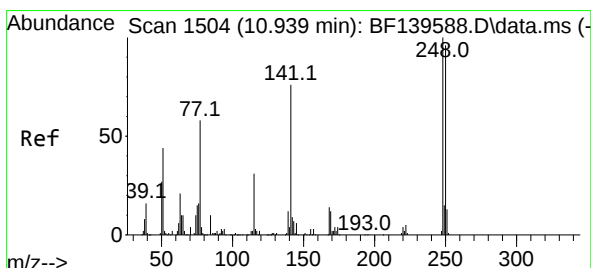
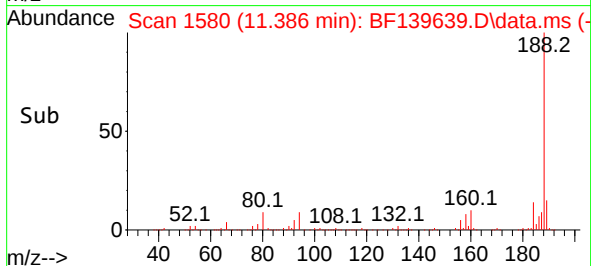
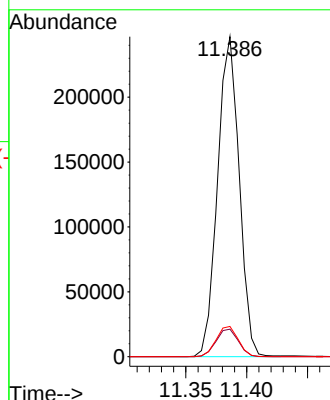
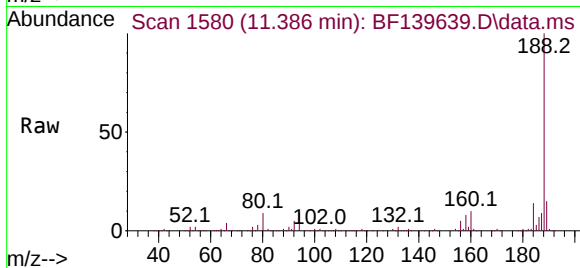
Tgt Ion:188 Resp: 305133

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

80 9.5 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 3.378 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.253 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

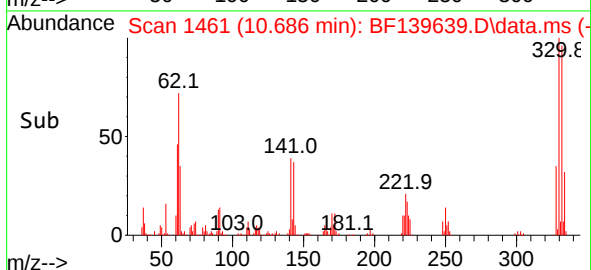
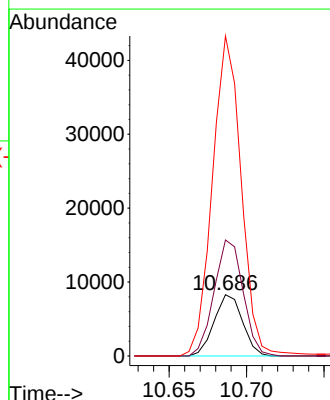
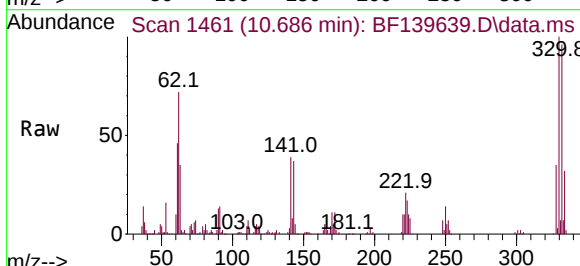
Tgt Ion:248 Resp: 10569

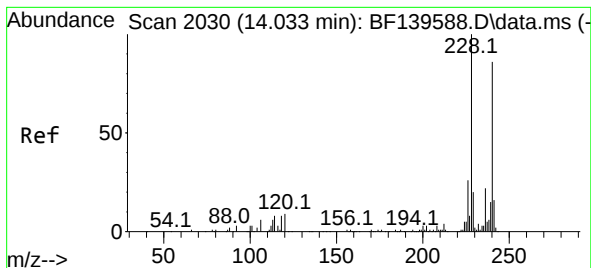
Ion Ratio Lower Upper

248 100

250 189.3 77.1 115.7#

141 522.0 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

Instrument :

BNA_F

ClientSampleId :

TP-R

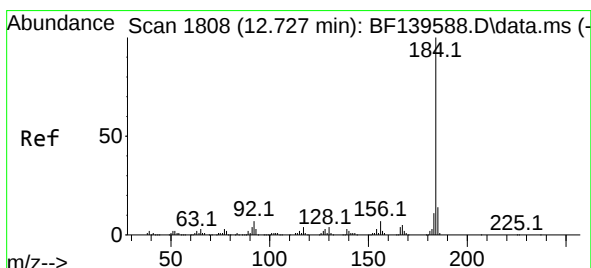
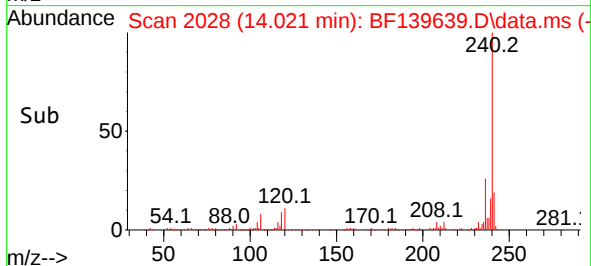
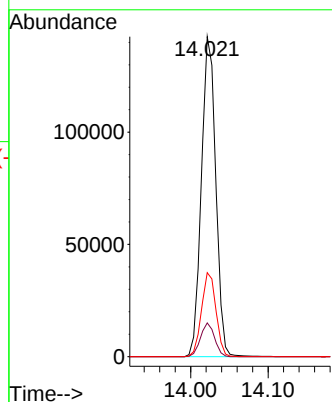
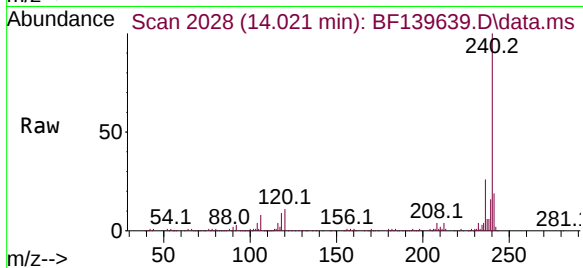
Tgt Ion:240 Resp: 183794

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

236 26.3 20.3 30.5



#77

Benzidine

Concen: 3.170 ng

RT: 12.969 min Scan# 1849

Delta R.T. 0.241 min

Lab File: BF139639.D

Acq: 03 Oct 2024 18:54

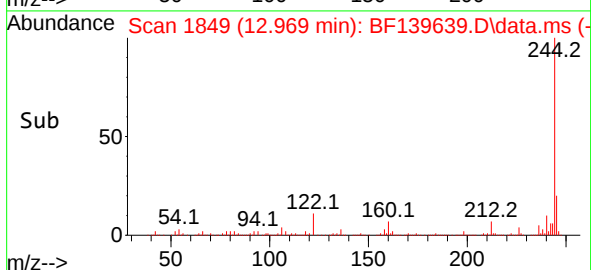
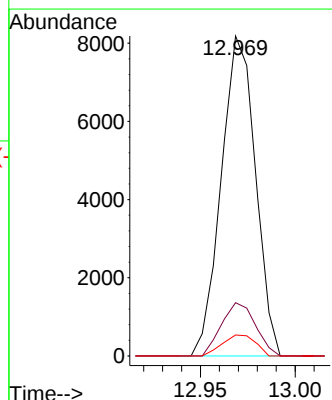
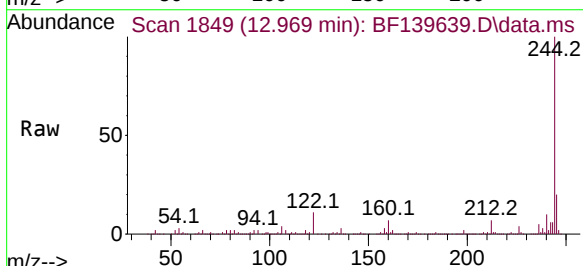
Tgt Ion:184 Resp: 10276

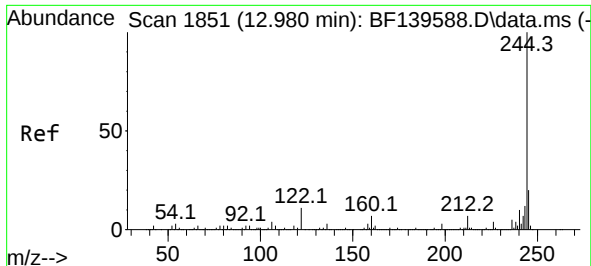
Ion Ratio Lower Upper

184 100

185 16.7 11.4 17.0

183 6.5 8.8 13.2#

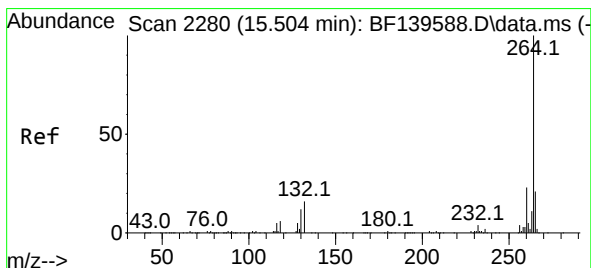
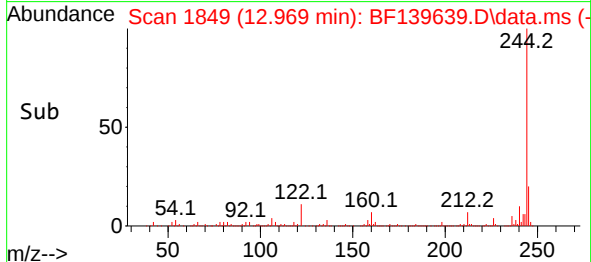
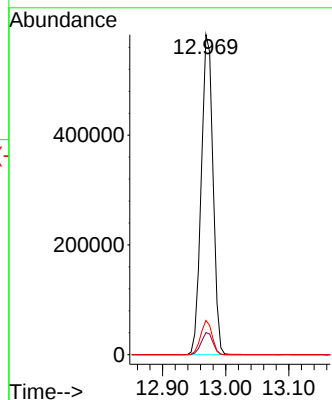
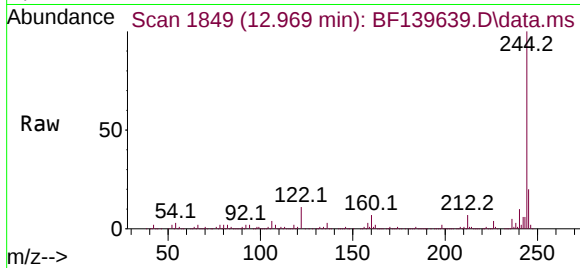




#79
 Terphenyl-d14
 Concen: 67.469 ng
 RT: 12.969 min Scan# 1849
 Delta R.T. -0.011 min
 Lab File: BF139639.D
 Acq: 03 Oct 2024 18:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-R

Tgt Ion:244 Resp: 755744
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 10.7 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2278
 Delta R.T. -0.012 min
 Lab File: BF139639.D
 Acq: 03 Oct 2024 18:54

Tgt Ion:264 Resp: 182163
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.0 16.9 25.3

