

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100824\
 Data File : BF139708.D
 Acq On : 08 Oct 2024 13:09
 Operator : RC/JU
 Sample : P4321-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IB-6

Quant Time: Oct 08 13:47:00 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)

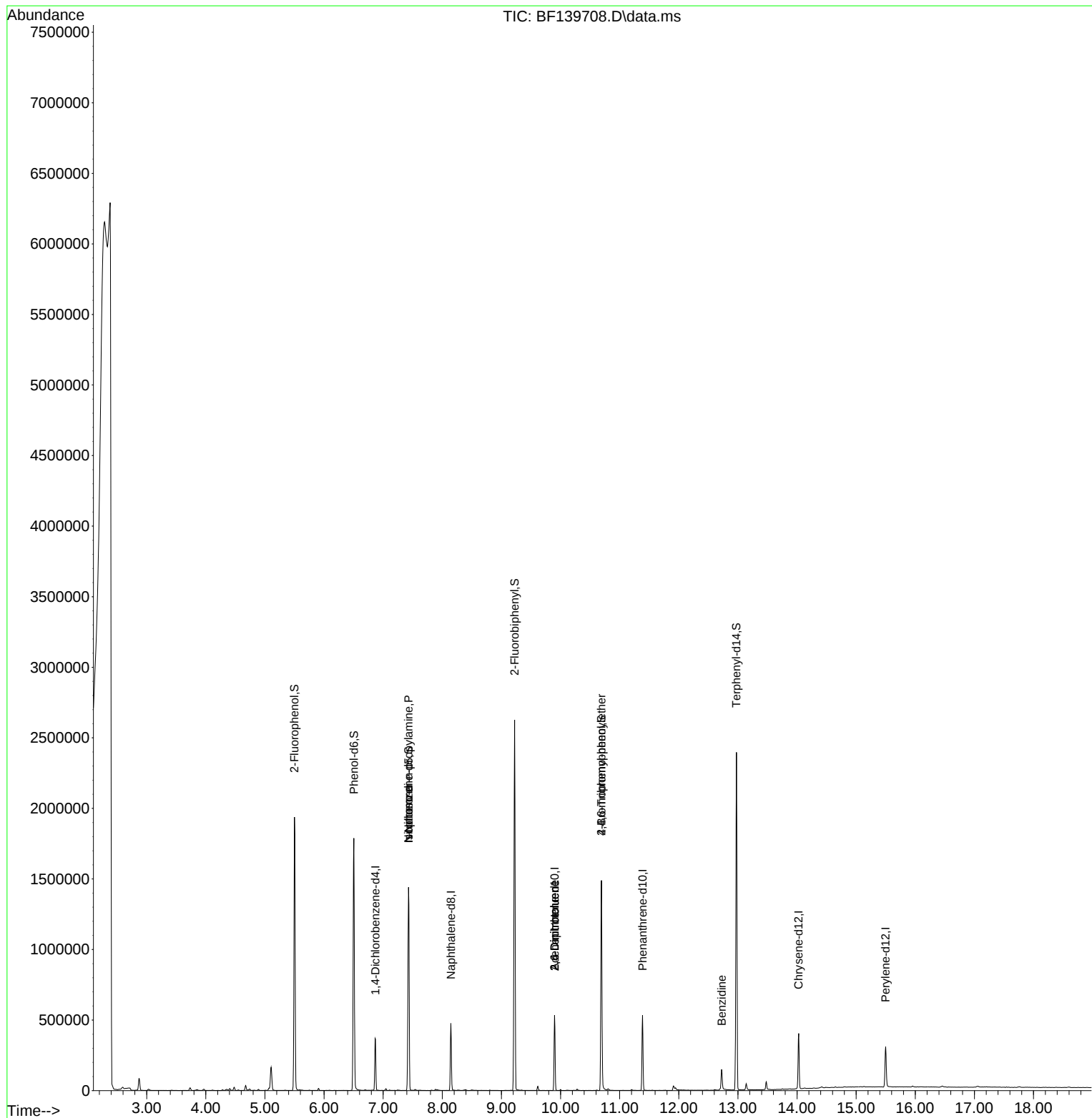
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	76704	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	282690	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153989	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	276544	20.000	ng	0.00
76) Chrysene-d12	14.027	240	183197	20.000	ng	0.00
86) Perylene-d12	15.498	264	164734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	686838	155.202	ng	0.01
7) Phenol-d6	6.504	99	828105	139.147	ng	0.00
23) Nitrobenzene-d5	7.428	82	646644	115.815	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	239476	161.099	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1138765	113.528	ng	0.00
79) Terphenyl-d14	12.975	244	1172494	105.016	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	87993	22.998	ng	Qvalue # 75
25) Isophorone	7.428	82	642664	64.806	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	19571	8.595	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	19571	6.575	ng	# 18
67) 4-Bromophenyl-phenylether	10.692	248	16532	5.831	ng	# 1
77) Benzidine	12.727	184	90764	28.088	ng	100

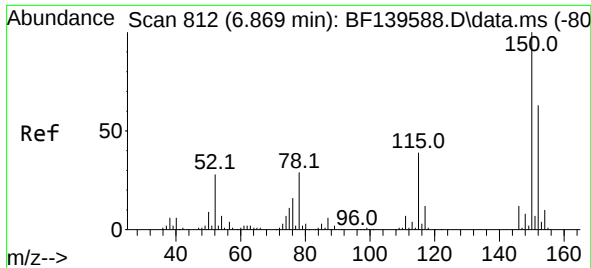
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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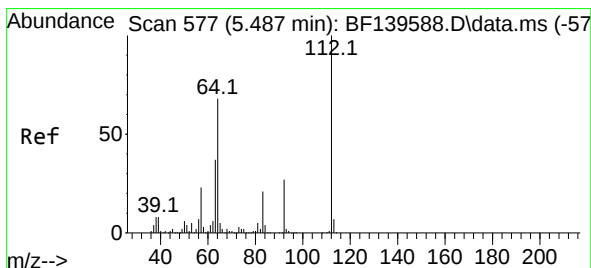
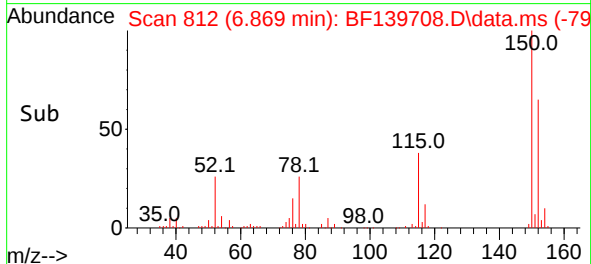
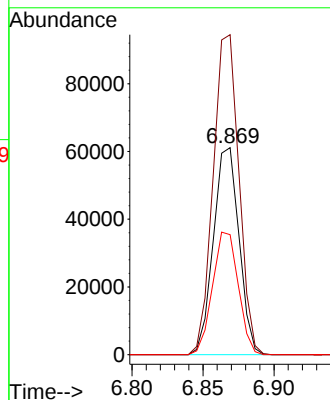
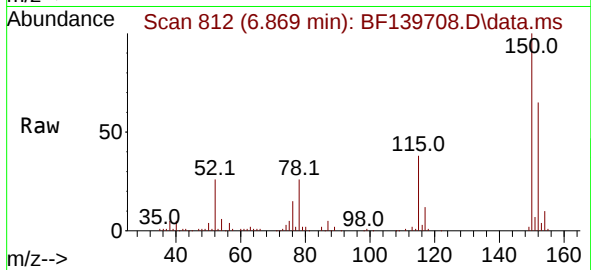




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

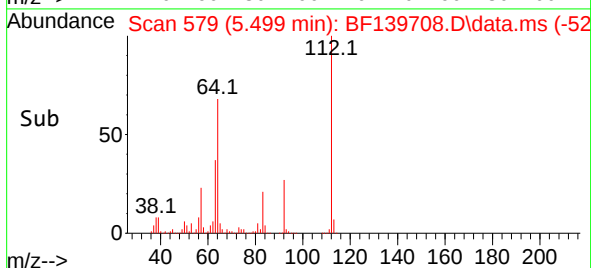
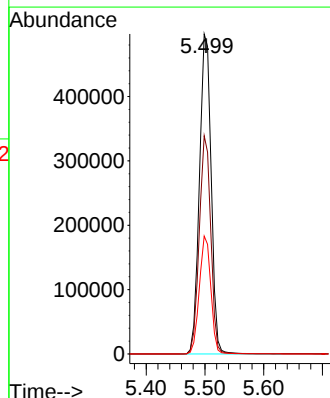
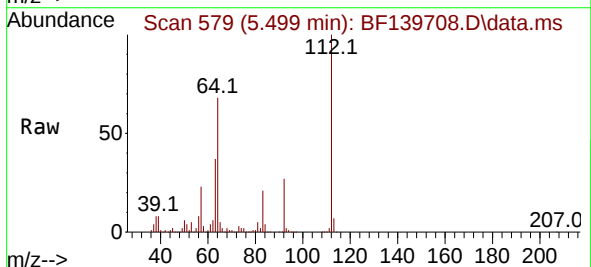
Instrument :
BNA_F
ClientSampleId :
IB-6

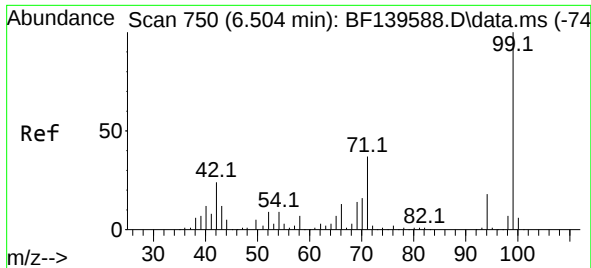
Tgt Ion:152 Resp: 76704
Ion Ratio Lower Upper
152 100
150 154.5 127.2 190.8
115 57.9 49.0 73.4



#5
2-Fluorophenol
Concen: 155.202 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

Tgt Ion:112 Resp: 686838
Ion Ratio Lower Upper
112 100
64 68.2 54.2 81.4
63 36.9 29.4 44.2

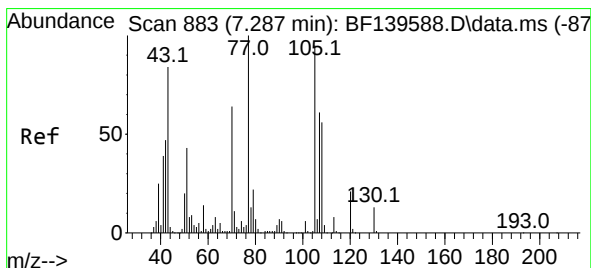
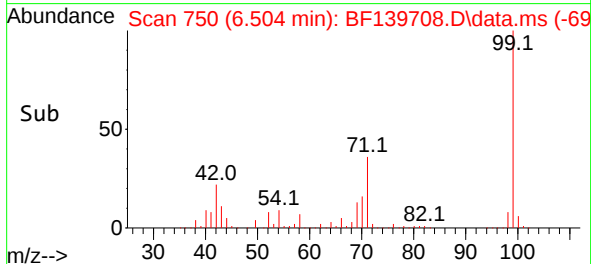
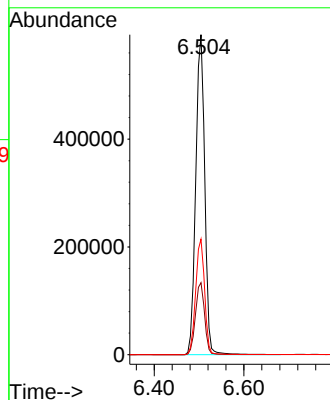
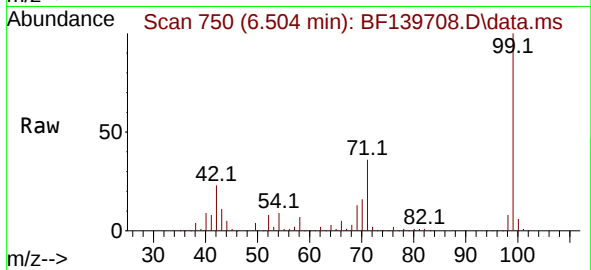




#7
Phenol-d6
Concen: 139.147 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

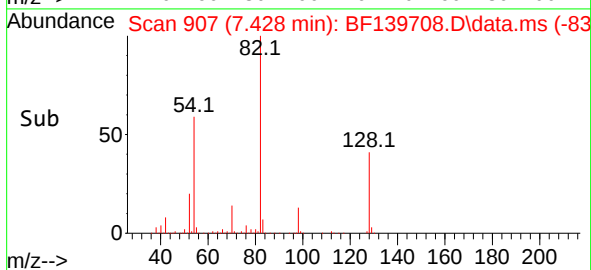
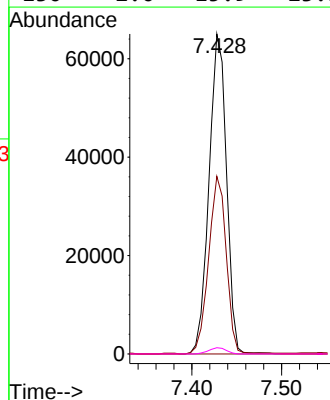
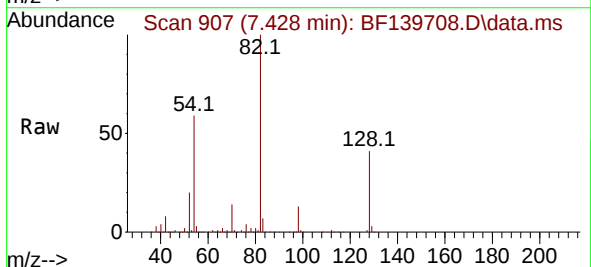
Instrument :
BNA_F
ClientSampleId :
IB-6

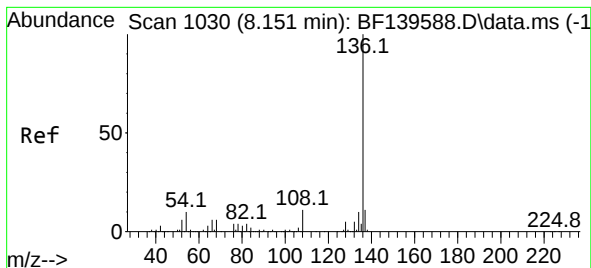
Tgt Ion: 99 Resp: 828105
Ion Ratio Lower Upper
99 100
42 22.5 19.1 28.7
71 36.1 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 22.998 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

Tgt Ion: 70 Resp: 87993
Ion Ratio Lower Upper
70 100
42 55.5 58.0 87.0#
101 0.0 7.8 11.8#
130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

Instrument :

BNA_F

ClientSampleId :

IB-6

Tgt Ion:136 Resp: 282690

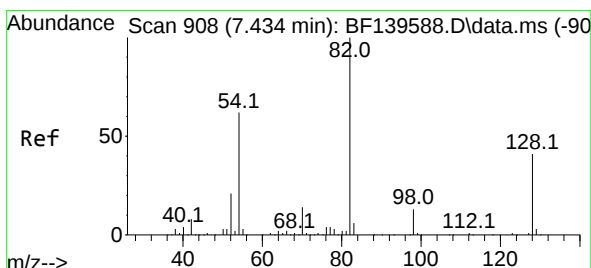
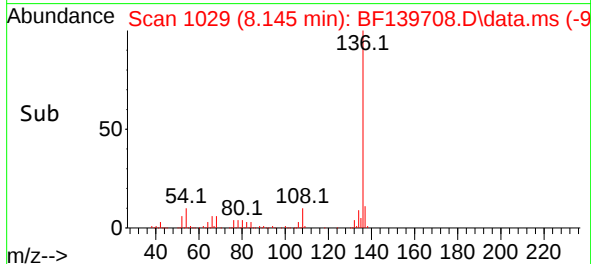
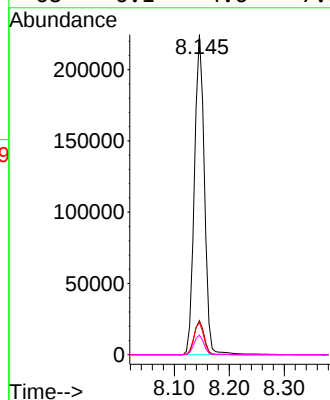
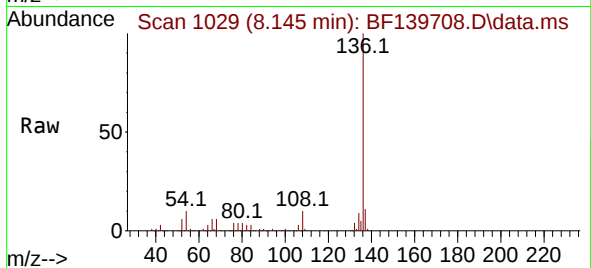
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 10.1 8.3 12.5

68 6.1 4.6 7.0



#23

Nitrobenzene-d5

Concen: 115.815 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

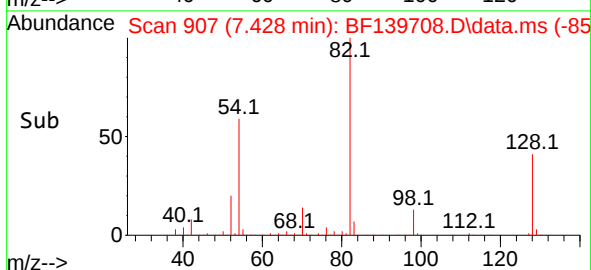
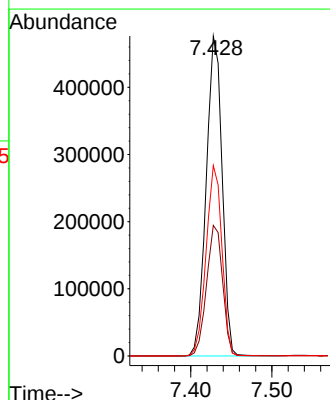
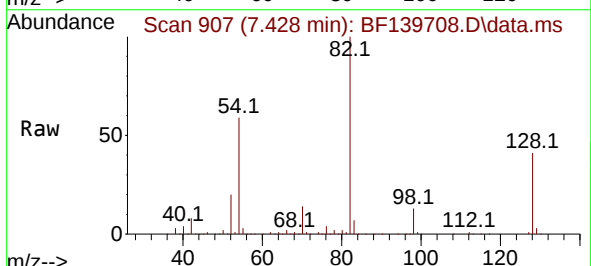
Tgt Ion: 82 Resp: 646644

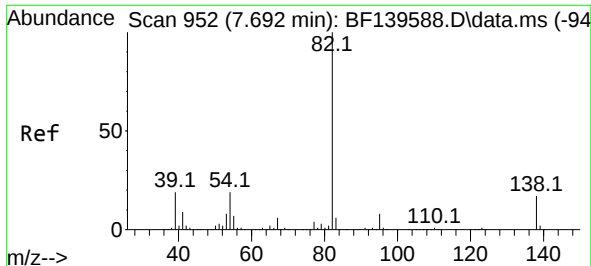
Ion Ratio Lower Upper

82 100

128 40.8 32.4 48.6

54 59.5 49.1 73.7

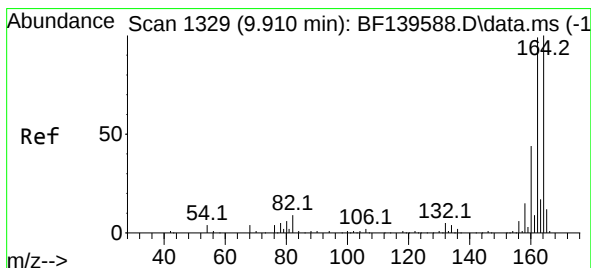
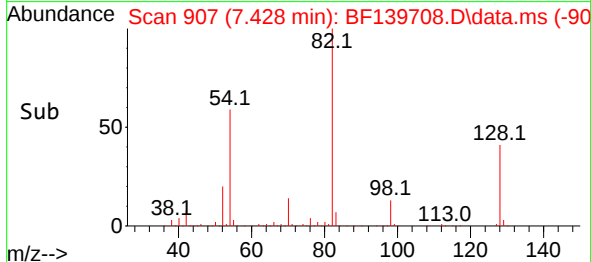
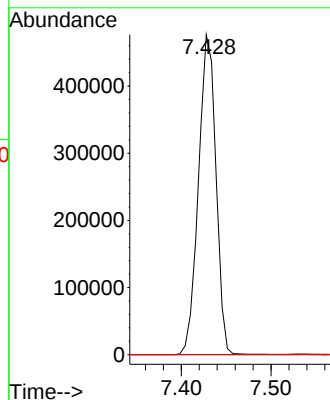
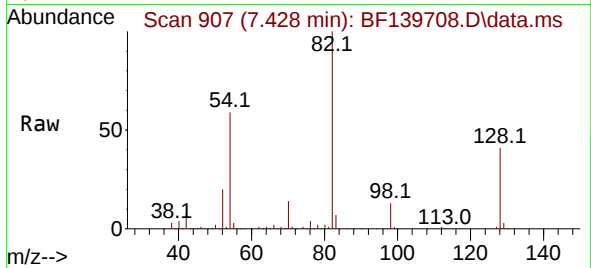




#25
Isophorone
Concen: 64.806 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

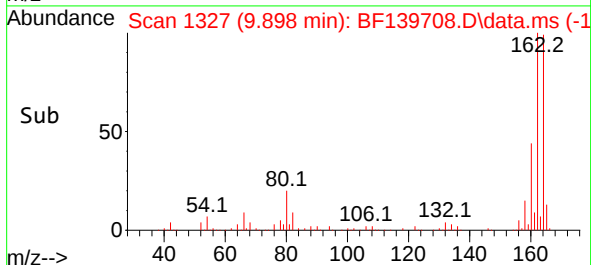
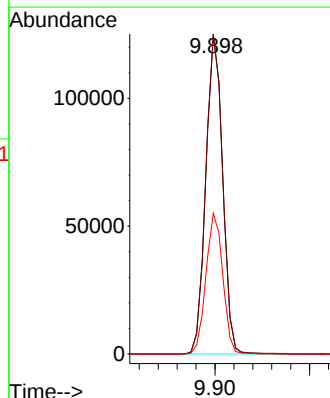
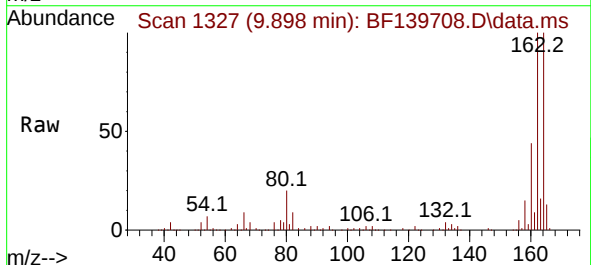
Instrument :
BNA_F
ClientSampleId :
IB-6

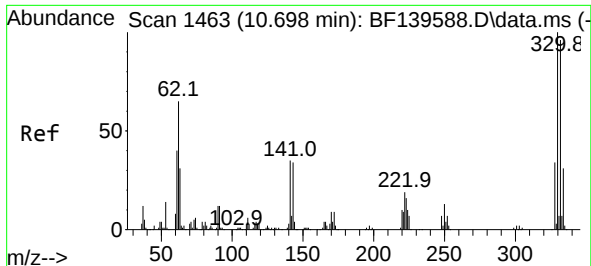
Tgt Ion: 82 Resp: 642664
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

Tgt Ion:164 Resp: 153989
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 44.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 161.099 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

Instrument :

BNA_F

ClientSampleId :

IB-6

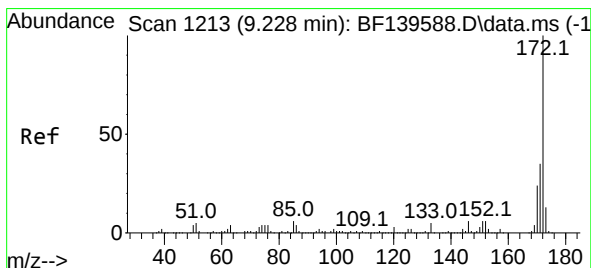
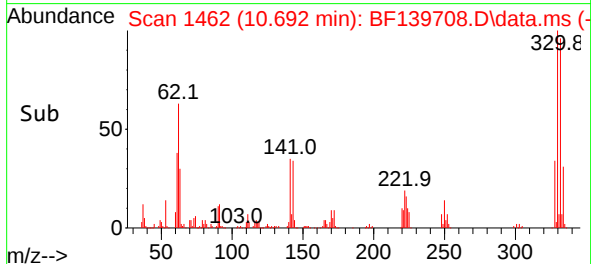
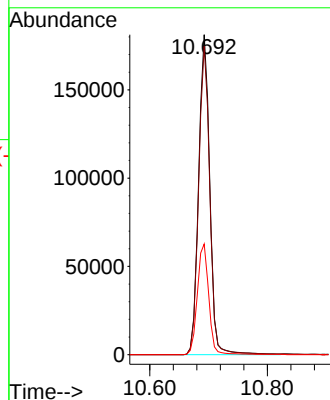
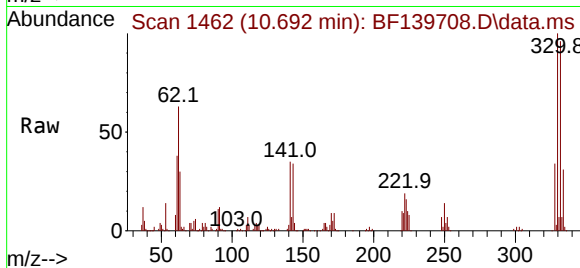
Tgt Ion:330 Resp: 239476

Ion Ratio Lower Upper

330 100

332 96.6 76.5 114.7

141 35.3 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 113.528 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

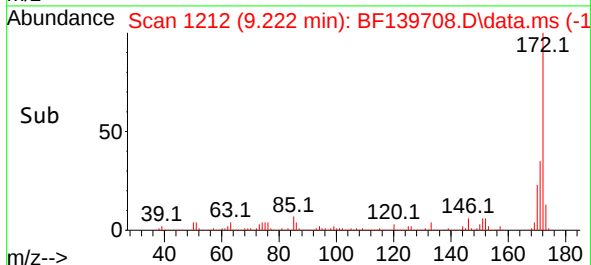
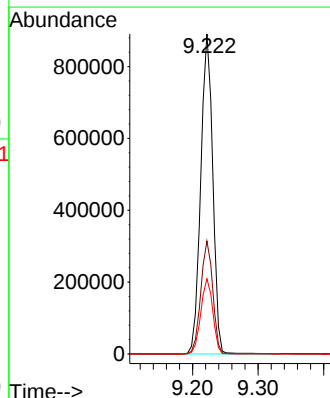
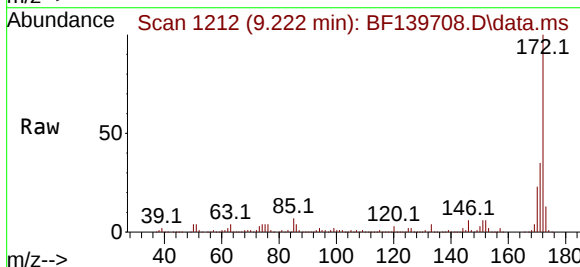
Tgt Ion:172 Resp: 1138765

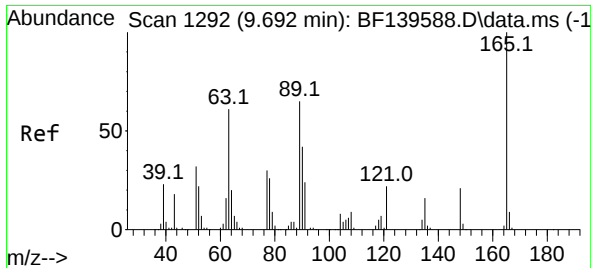
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.5 18.8 28.2

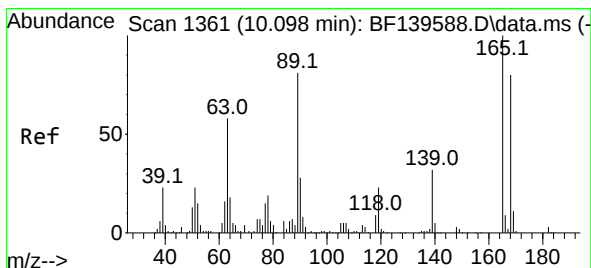
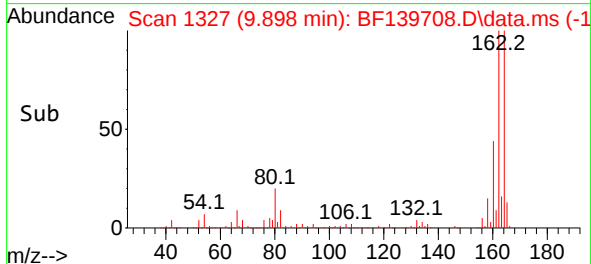
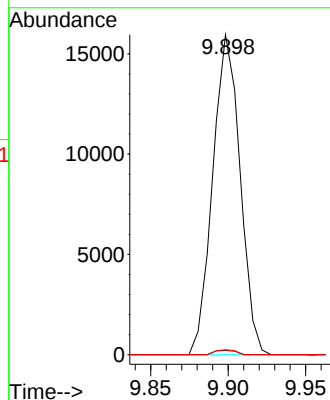
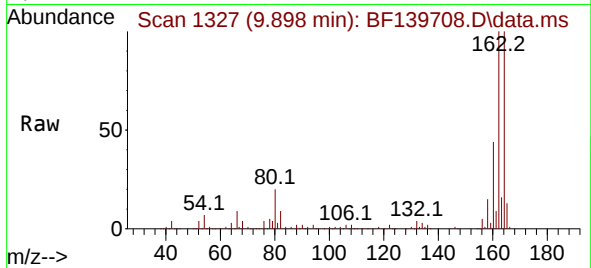




#51
2,6-Dinitrotoluene
Concen: 8.595 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

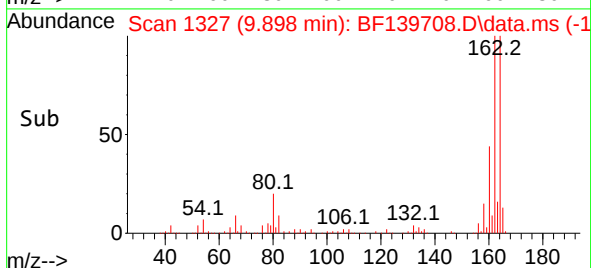
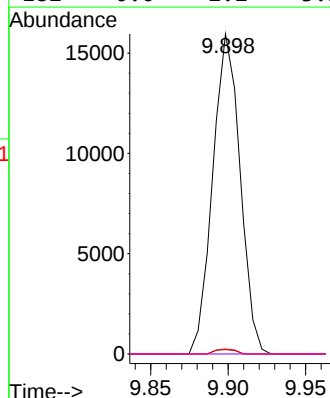
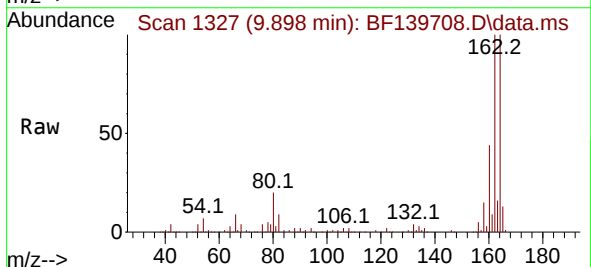
Instrument :
BNA_F
ClientSampleId :
IB-6

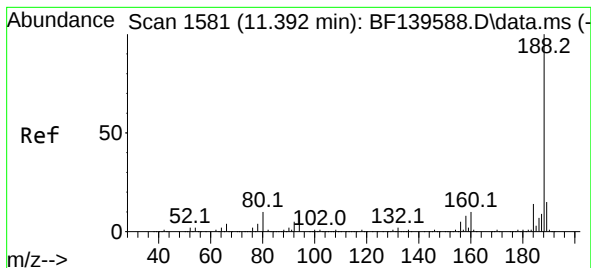
Tgt Ion:165 Resp: 19571
Ion Ratio Lower Upper
165 100
63 1.4 56.7 85.1#
89 1.6 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.575 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139708.D
Acq: 08 Oct 2024 13:09

Tgt Ion:165 Resp: 19571
Ion Ratio Lower Upper
165 100
63 1.4 46.9 70.3#
89 1.6 64.4 96.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

Instrument :

BNA_F

ClientSampleId :

IB-6

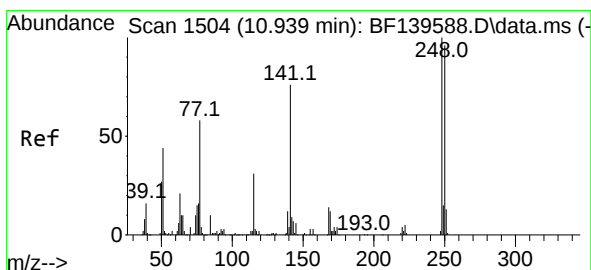
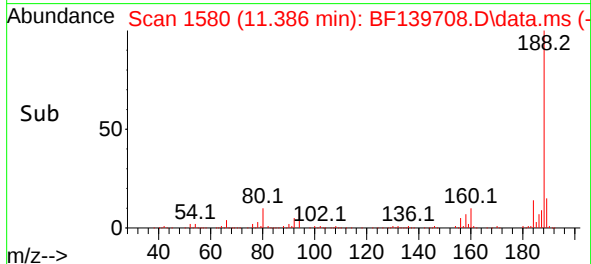
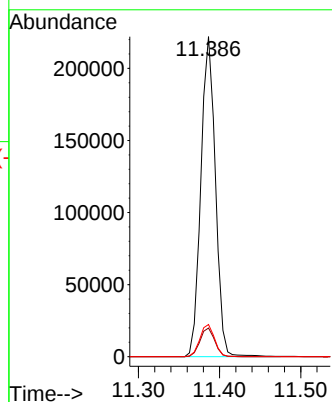
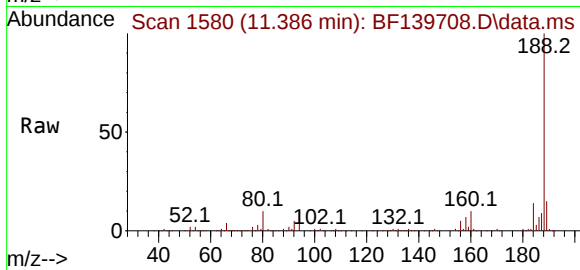
Tgt Ion:188 Resp: 276544

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

80 10.1 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 5.831 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

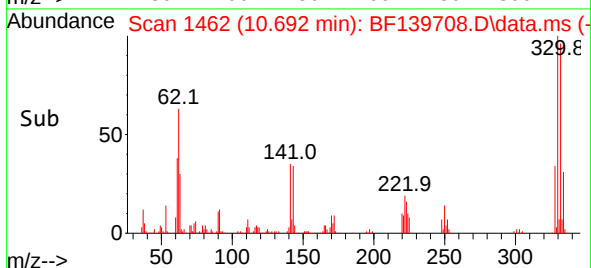
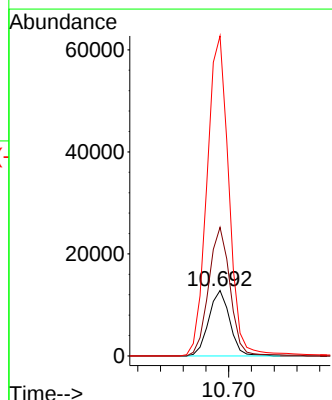
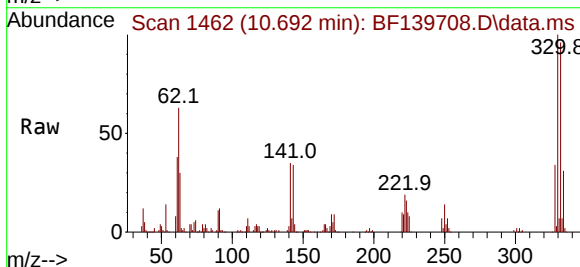
Tgt Ion:248 Resp: 16532

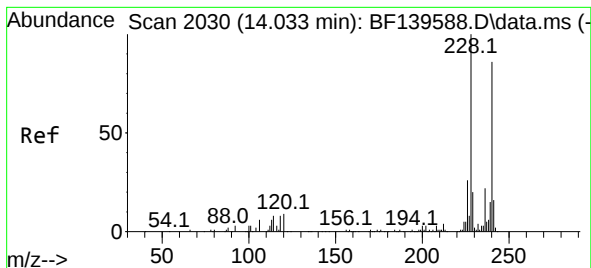
Ion Ratio Lower Upper

248 100

250 196.6 77.1 115.7#

141 489.0 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

Instrument :

BNA_F

ClientSampleId :

IB-6

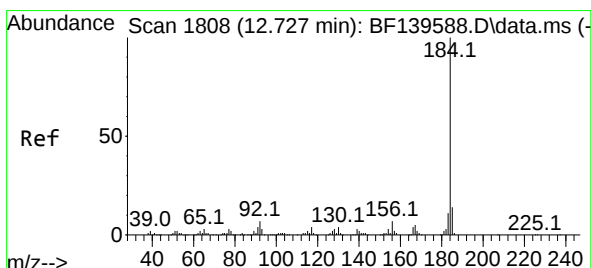
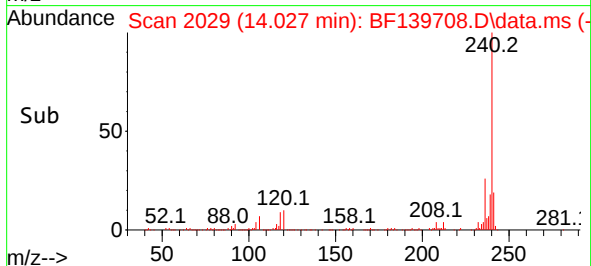
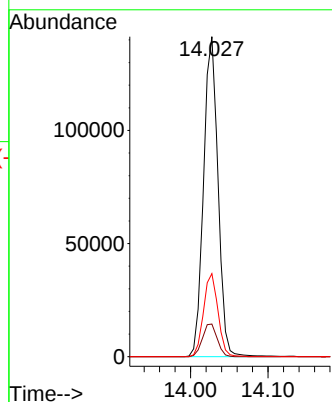
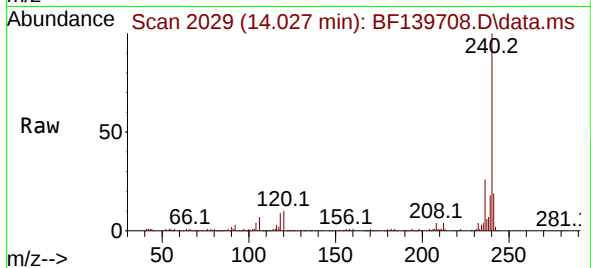
Tgt Ion:240 Resp: 183197

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

236 25.9 20.3 30.5



#77

Benzidine

Concen: 28.088 ng

RT: 12.727 min Scan# 1808

Delta R.T. 0.000 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

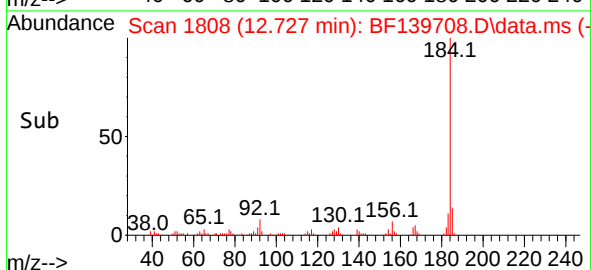
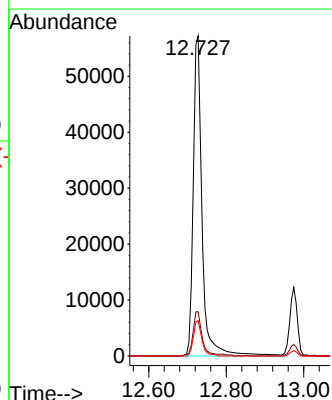
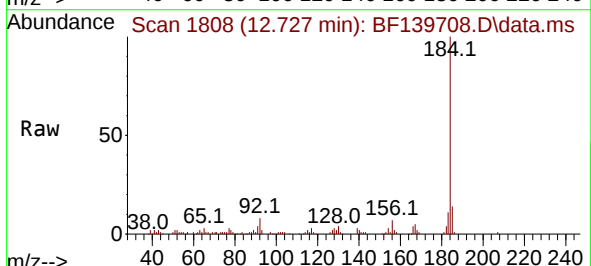
Tgt Ion:184 Resp: 90764

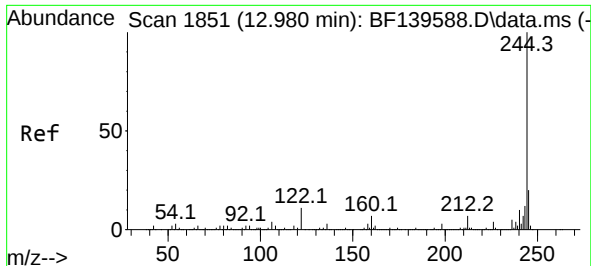
Ion Ratio Lower Upper

184 100

185 13.9 11.4 17.0

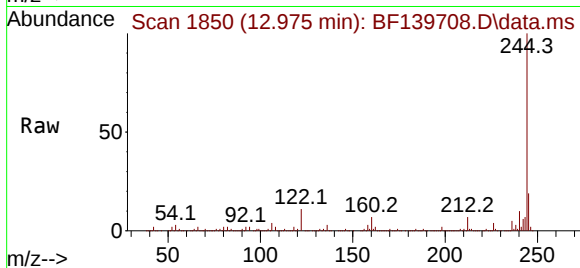
183 11.0 8.8 13.2



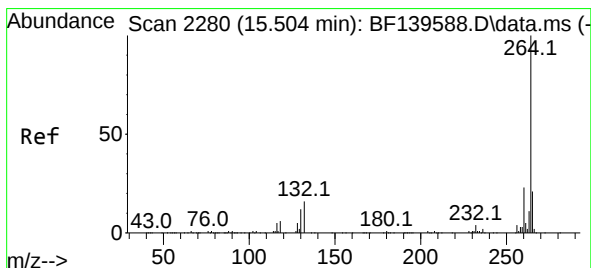
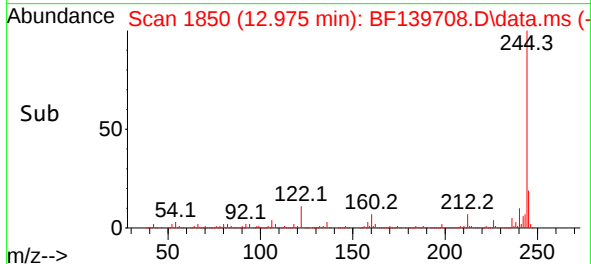
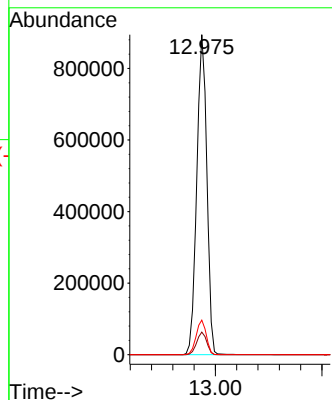


#79
 Terphenyl-d14
 Concen: 105.016 ng
 RT: 12.975 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BF139708.D
 Acq: 08 Oct 2024 13:09

Instrument :
 BNA_F
 ClientSampleId :
 IB-6



Tgt Ion:244 Resp: 1172494
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 10.8 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2279
 Delta R.T. -0.006 min
 Lab File: BF139708.D
 Acq: 08 Oct 2024 13:09

Tgt Ion:264 Resp: 164734
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.7 28.1
 265 21.3 16.9 25.3

