

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135846.D
 Acq On : 18 Oct 2023 14:33
 Operator : CG\JU
 Sample : 04724-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Oct 18 14:55:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

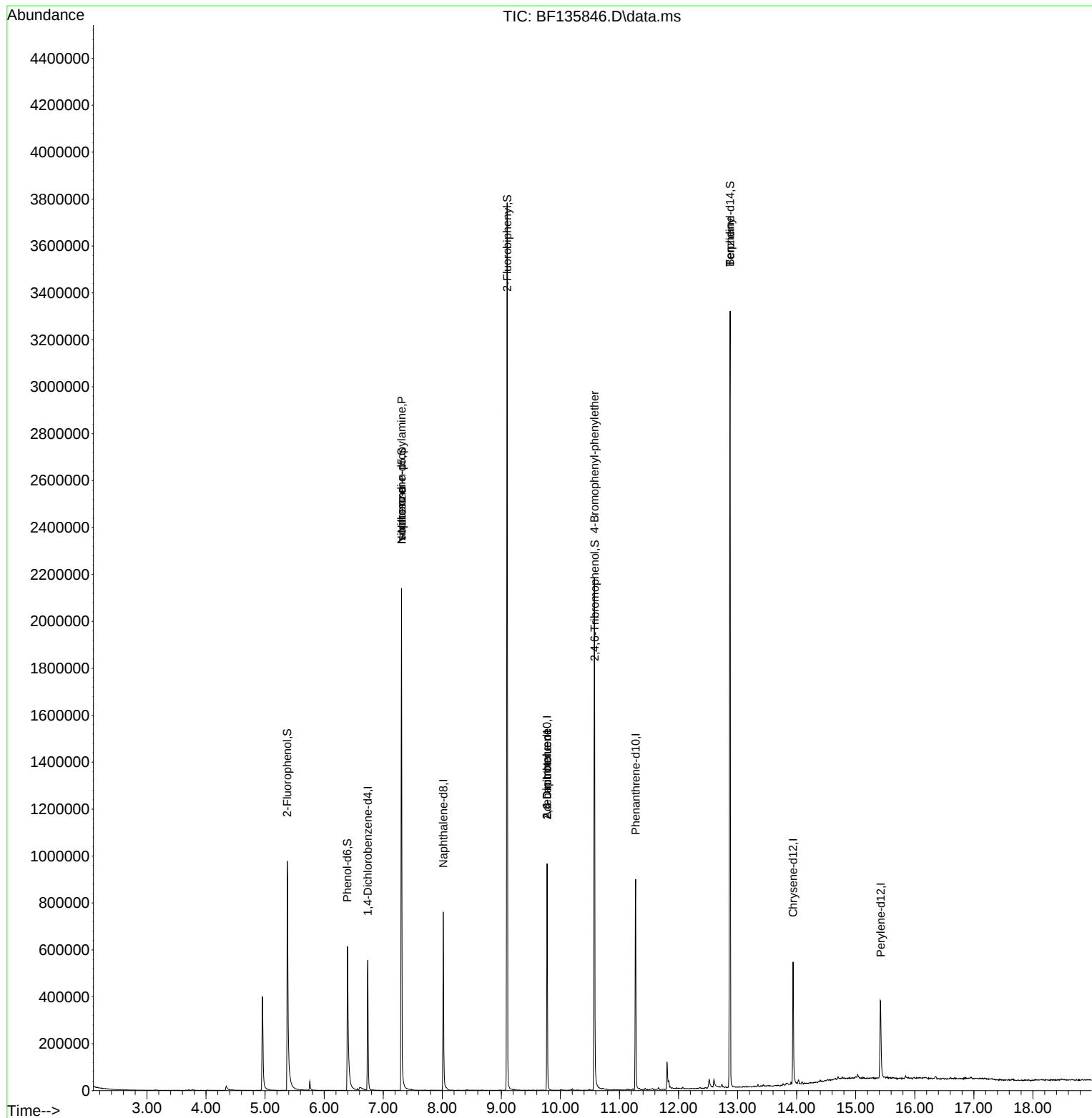
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	87324	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	339237	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	179649	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	352934	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	190463	20.000	ng	-0.01
86) Perylene-d12	15.421	264	180561	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	362870	66.809	ng	0.00
7) Phenol-d6	6.393	99	290190	42.820	ng	0.00
23) Nitrobenzene-d5	7.310	82	647424	104.964	ng	0.00
42) 2,4,6-Tribromophenol	10.581	330	285074	165.368	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1135905	98.859	ng	0.00
79) Terphenyl-d14	12.875	244	1262836	122.788	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	86563	20.658	ng	# 76
25) Isophorone	7.310	82	647424	55.638	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	23203	8.897	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	23203	6.993	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	17035	4.808	ng	# 1
77) Benzidine	12.875	184	15544	3.740	ng	# 94

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

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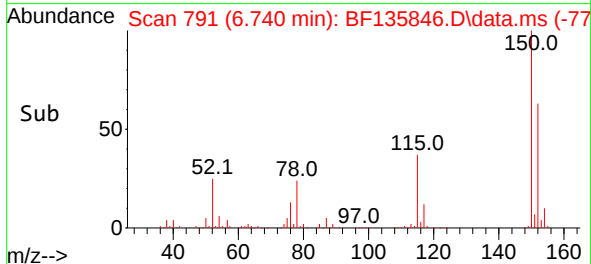
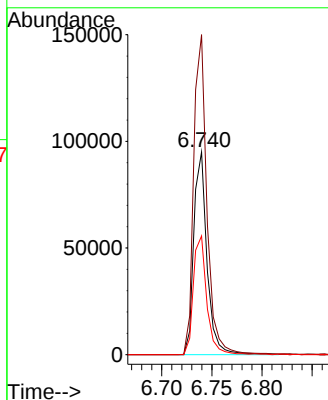
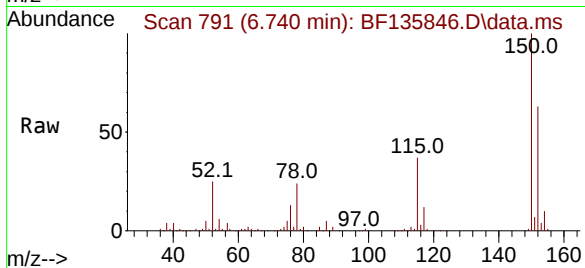




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

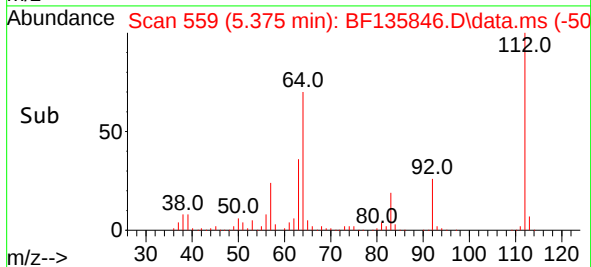
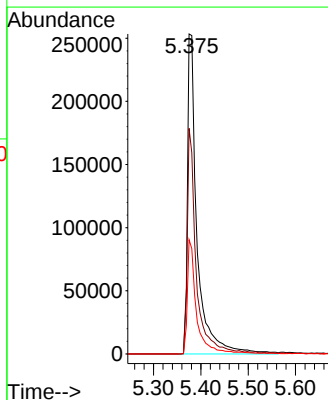
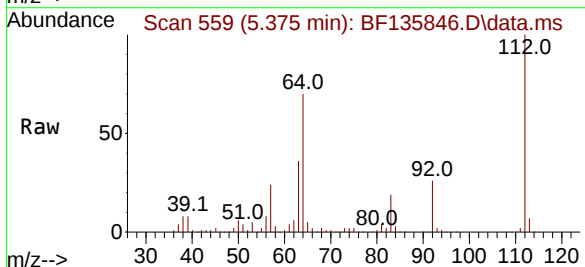
Instrument :
BNA_F
ClientSampleId :
MW-2

Tgt Ion:152 Resp: 87324
Ion Ratio Lower Upper
152 100
150 157.8 124.5 186.7
115 58.5 49.0 73.4



#5
2-Fluorophenol
Concen: 66.809 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

Tgt Ion:112 Resp: 362870
Ion Ratio Lower Upper
112 100
64 70.5 51.2 76.8
63 35.7 26.1 39.1

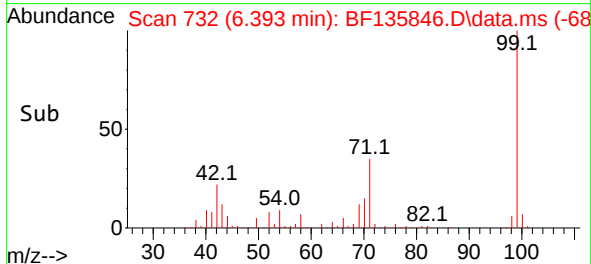
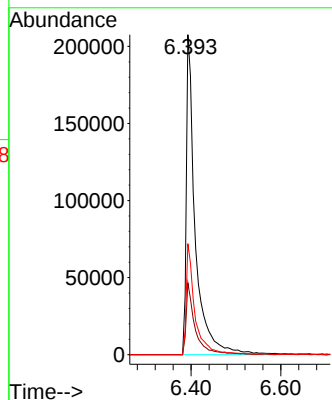
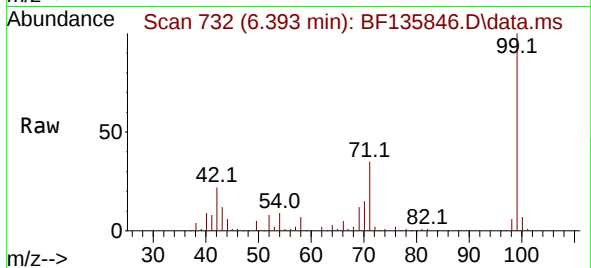




#7
Phenol-d6
Concen: 42.820 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

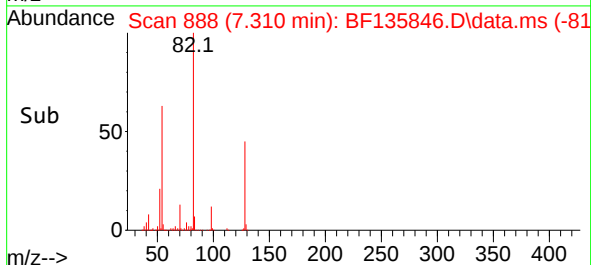
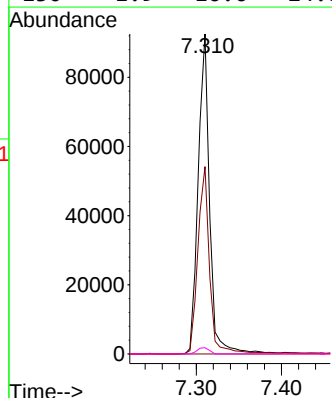
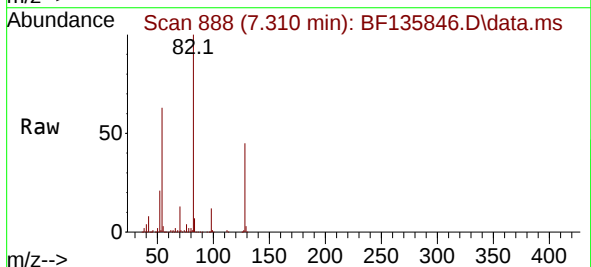
Instrument :
BNA_F
ClientSampleId :
MW-2

Tgt Ion: 99 Resp: 290190
Ion Ratio Lower Upper
99 100
42 22.5 18.4 27.6
71 34.7 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.658 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

Tgt Ion: 70 Resp: 86563
Ion Ratio Lower Upper
70 100
42 58.6 59.8 89.6#
101 0.0 7.4 11.2#
130 1.9 16.6 24.8#



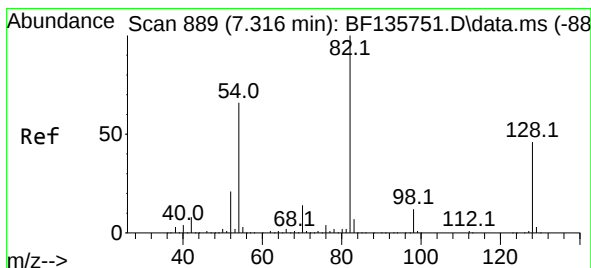
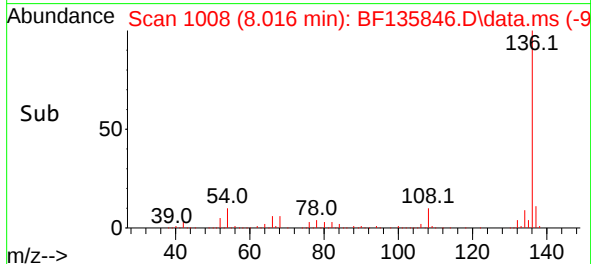
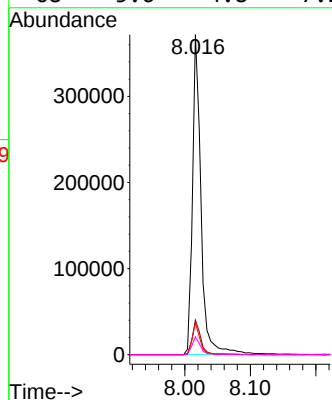
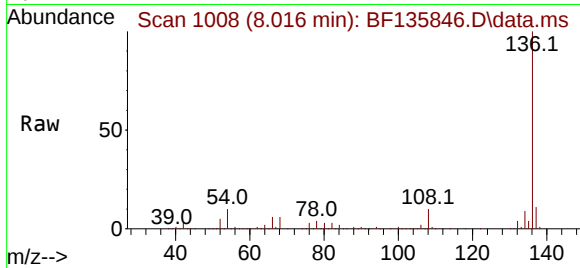


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

Instrument :
BNA_F
ClientSampleId :
MW-2

Tgt Ion:136 Resp: 339237

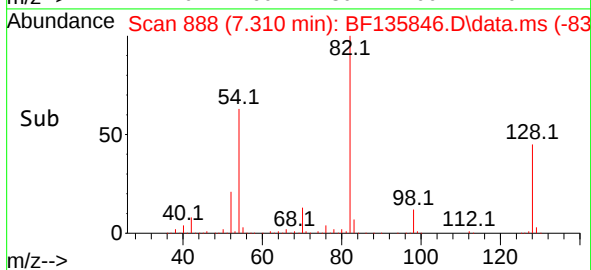
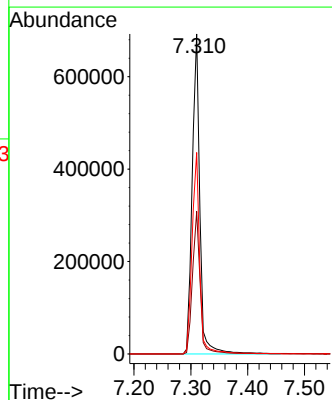
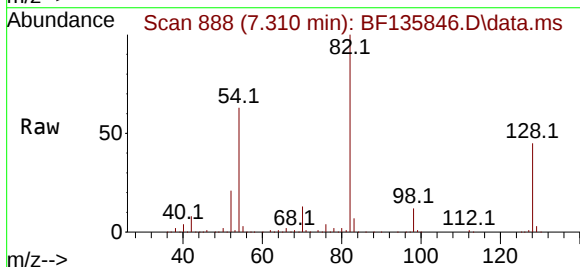
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.9	8.5	12.7
68	5.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 104.964 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

Tgt Ion: 82 Resp: 647424

Ion	Ratio	Lower	Upper
82	100		
128	44.5	37.0	55.6
54	63.0	52.8	79.2

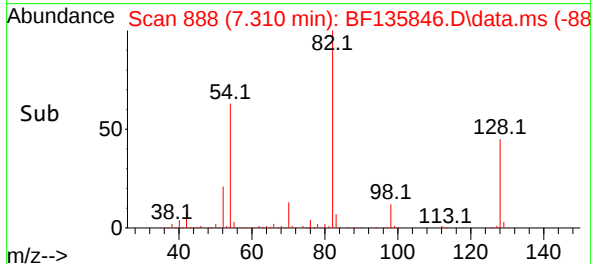
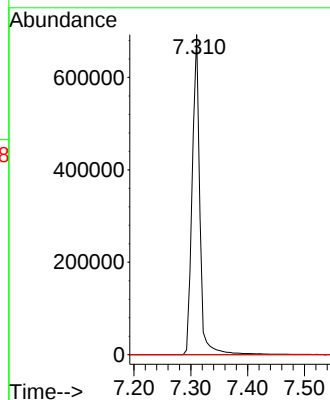
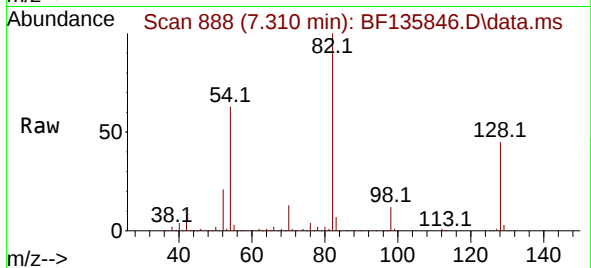




#25
Isophorone
Concen: 55.638 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

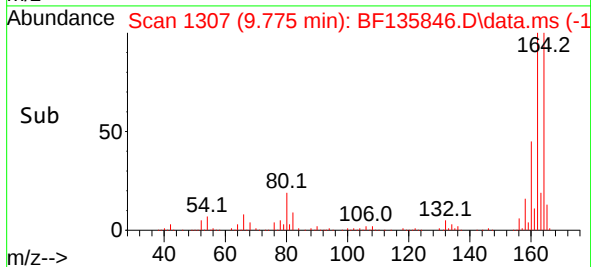
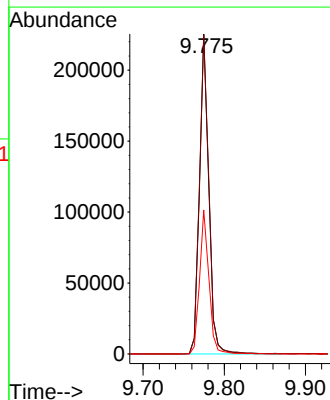
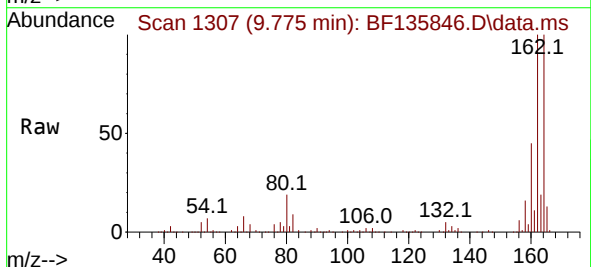
Instrument :
BNA_F
ClientSampleId :
MW-2

Tgt Ion: 82 Resp: 647424
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135846.D
Acq: 18 Oct 2023 14:33

Tgt Ion: 164 Resp: 179649
Ion Ratio Lower Upper
164 100
162 99.7 80.8 121.2
160 45.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 165.368 ng

RT: 10.581 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

MW-2

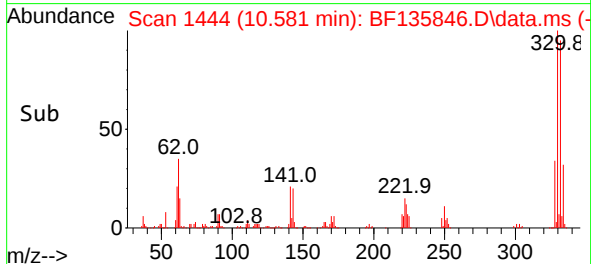
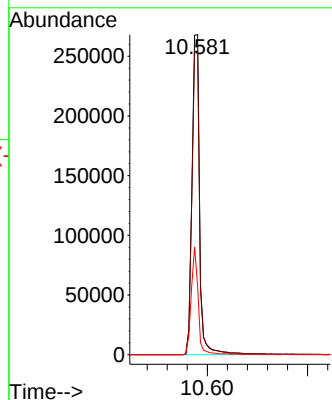
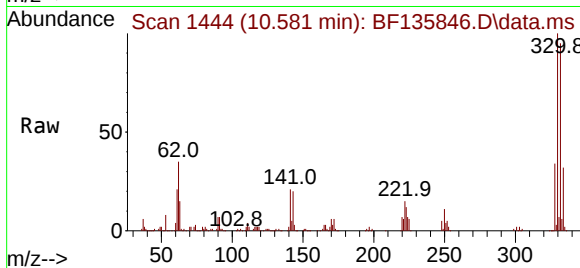
Tgt Ion:330 Resp: 285074

Ion Ratio Lower Upper

330 100

332 95.6 75.0 112.4

141 30.6 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 98.859 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

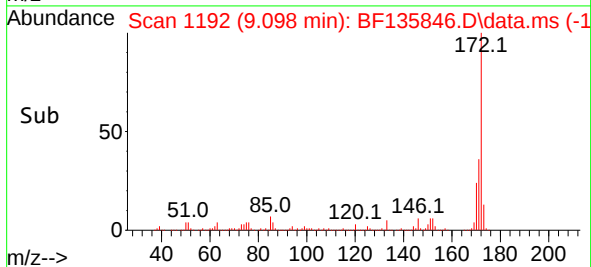
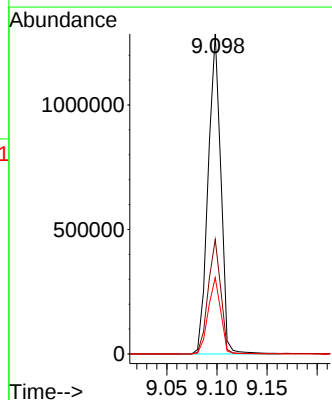
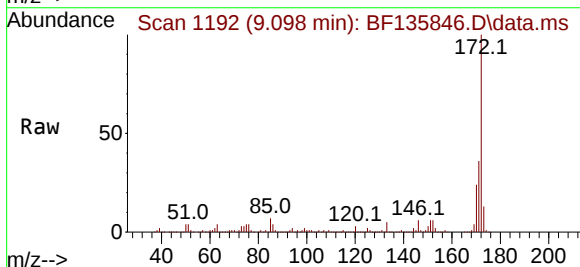
Tgt Ion:172 Resp: 1135905

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.8 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.897 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

MW-2

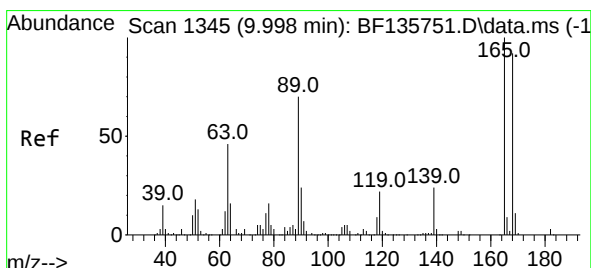
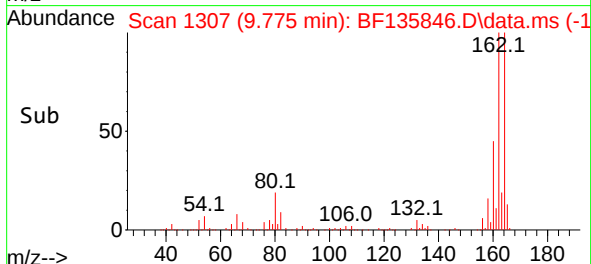
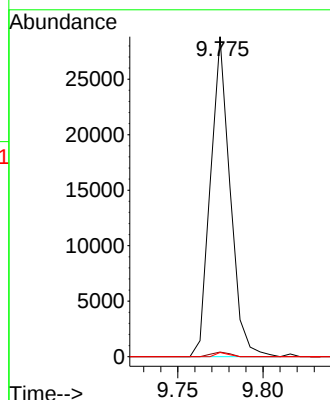
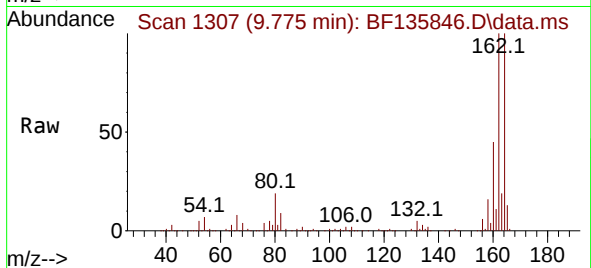
Tgt Ion:165 Resp: 23203

Ion Ratio Lower Upper

165 100

63 1.5 62.2 93.4#

89 1.3 49.6 74.4#



#57

2,4-Dinitrotoluene

Concen: 6.993 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.229 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

Tgt Ion:165 Resp: 23203

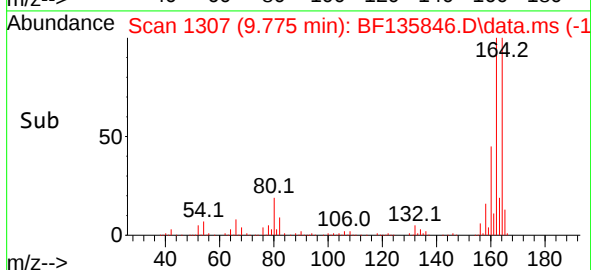
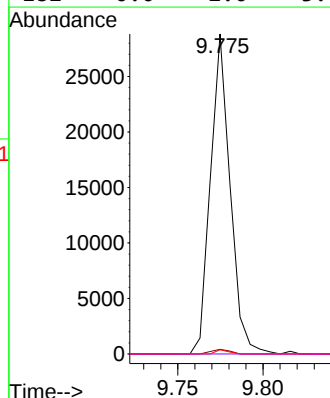
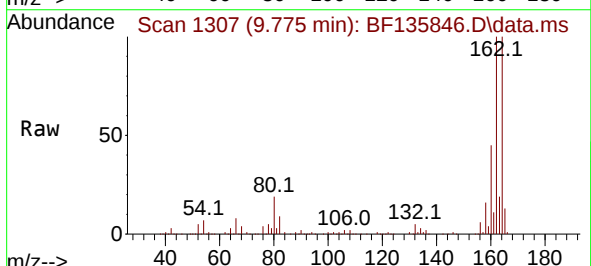
Ion Ratio Lower Upper

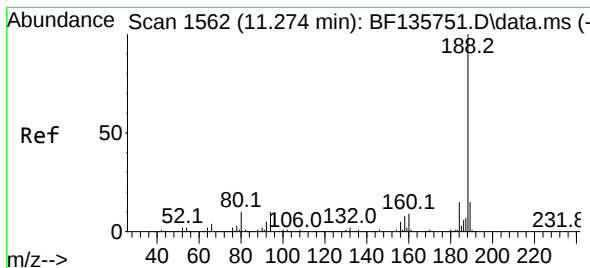
165 100

63 1.5 39.0 58.4#

89 1.3 55.9 83.9#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

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MW-2

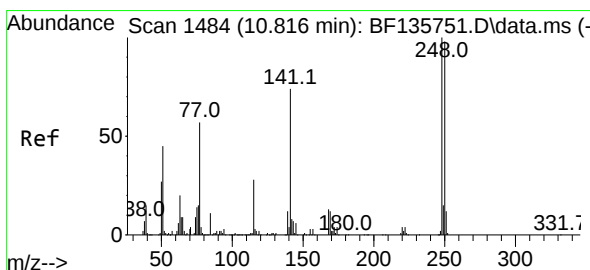
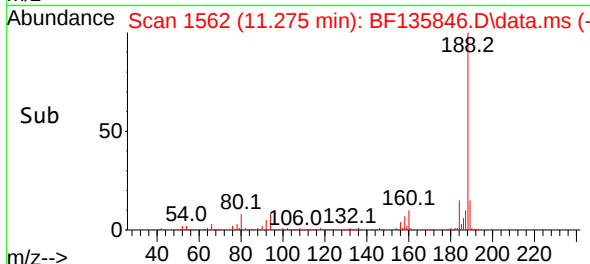
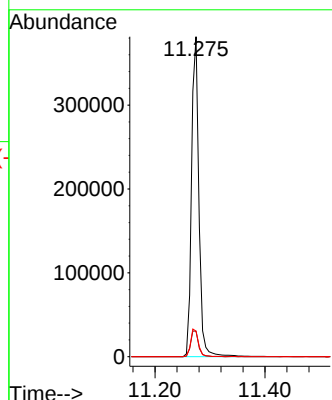
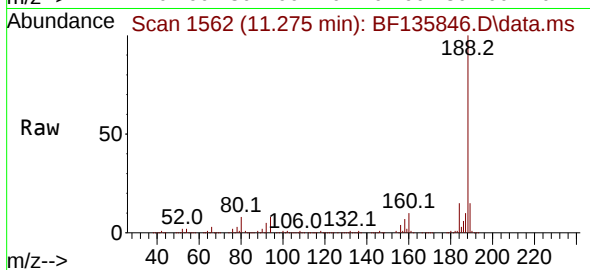
Tgt Ion:188 Resp: 352934

Ion Ratio Lower Upper

188 100

94 8.0 8.0 12.0#

80 8.0 8.3 12.5#



#67

4-Bromophenyl-phenylether

Concen: 4.808 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

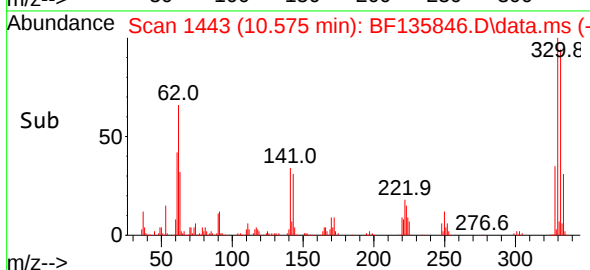
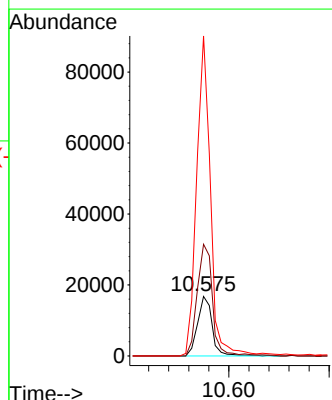
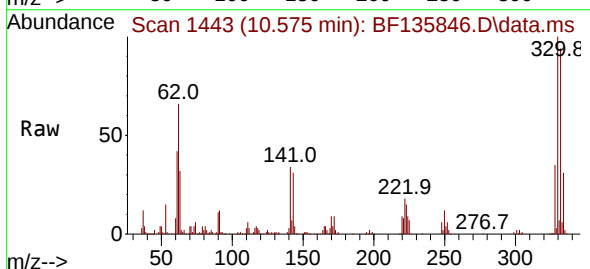
Tgt Ion:248 Resp: 17035

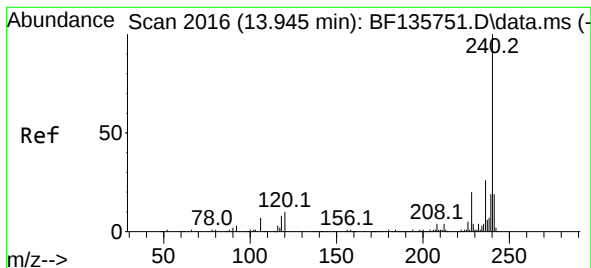
Ion Ratio Lower Upper

248 100

250 187.5 78.0 117.0#

141 537.5 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

Instrument :

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ClientSampleId :

MW-2

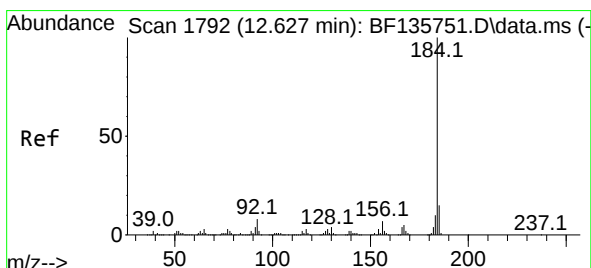
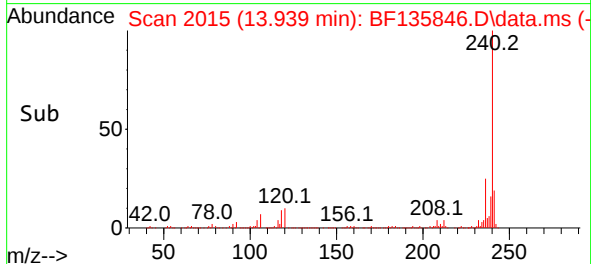
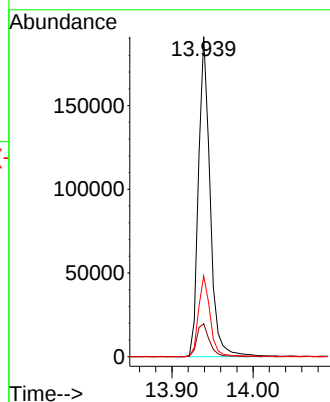
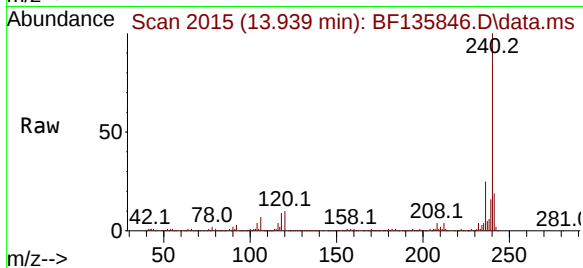
Tgt Ion:240 Resp: 190463

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 25.2 21.2 31.8



#77

Benzidine

Concen: 3.740 ng

RT: 12.875 min Scan# 1834

Delta R.T. 0.241 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

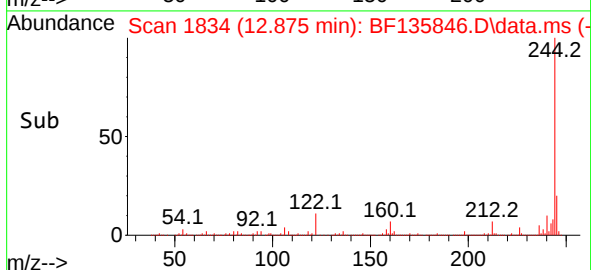
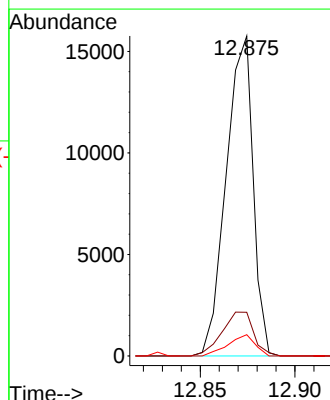
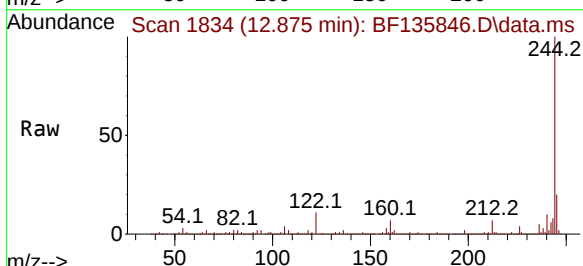
Tgt Ion:184 Resp: 15544

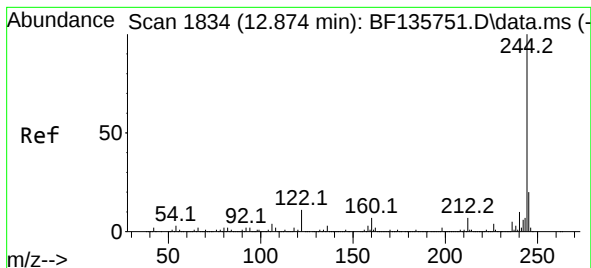
Ion Ratio Lower Upper

184 100

185 13.7 12.0 18.0

183 6.7 8.2 12.2#





#79

Terphenyl-d14

Concen: 122.788 ng

RT: 12.875 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

MW-2

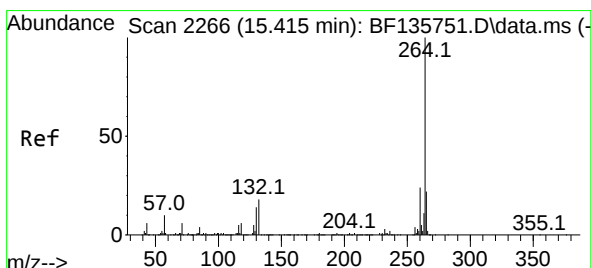
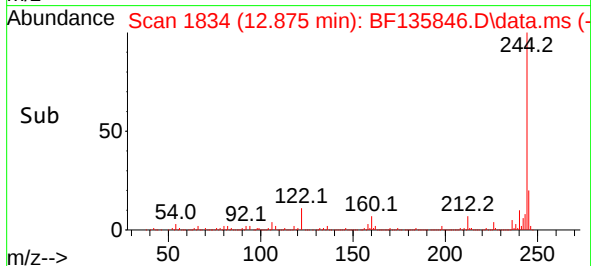
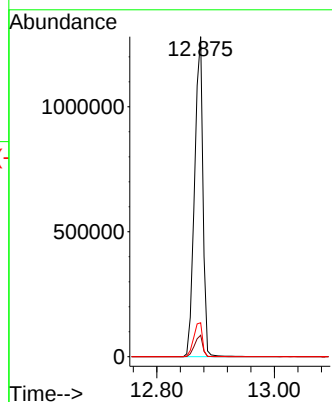
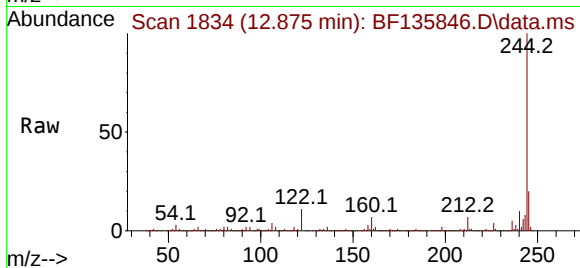
Tgt Ion:244 Resp: 1262836

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.6 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BF135846.D

Acq: 18 Oct 2023 14:33

Tgt Ion:264 Resp: 180561

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.4 17.4 26.2

