

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
 Data File : BF133359.D
 Acq On : 11 May 2023 17:36
 Operator : CG\JU
 Sample : 02742-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14-051023

Quant Time: May 11 18:29:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

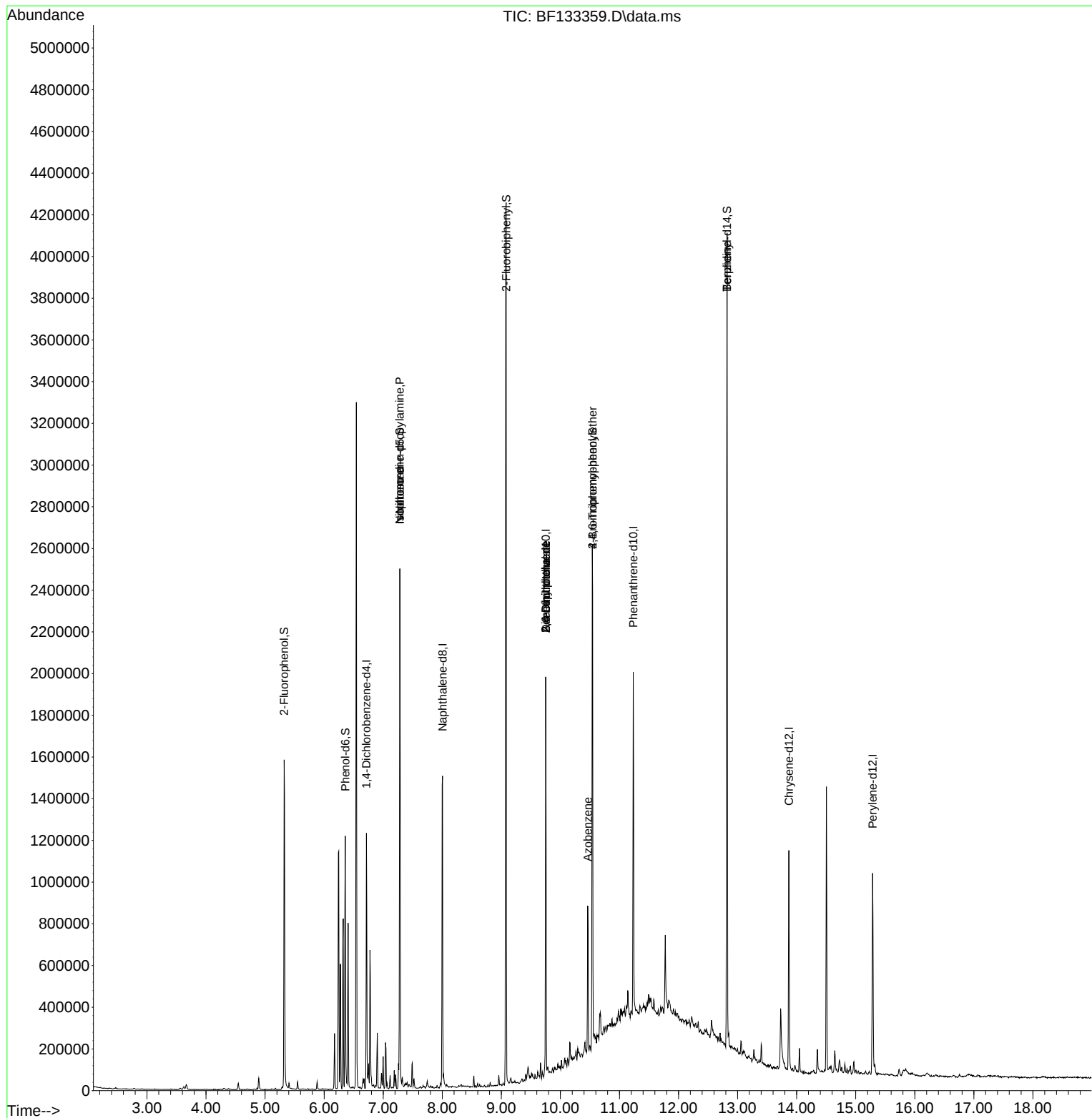
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	165196	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	667030	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	333877	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	571471	20.000	ng	0.00
76) Chrysene-d12	13.869	240	331885	20.000	ng	-0.01
86) Perylene-d12	15.286	264	408278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	464364	42.463	ng	0.00
7) Phenol-d6	6.357	99	371081	27.339	ng	-0.01
23) Nitrobenzene-d5	7.281	82	715112	57.868	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	298586	88.924	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1327482	66.518	ng	0.00
79) Terphenyl-d14	12.822	244	1308245	67.984	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	20068	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.281	70	94845	11.224	ng	# 78
25) Isophorone	7.281	82	715122	30.479	ng	# 63
50) Dimethylphthalate	9.751	163	65318	2.806	ng	# 1
51) 2,6-Dinitrotoluene	9.751	165	44521	8.497	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	44521	6.663	ng	# 23
63) Azobenzene	10.463	77	116115	4.985	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	19314	3.116	ng	# 1
77) Benzidine	12.822	184	16733	2.981	ng	98

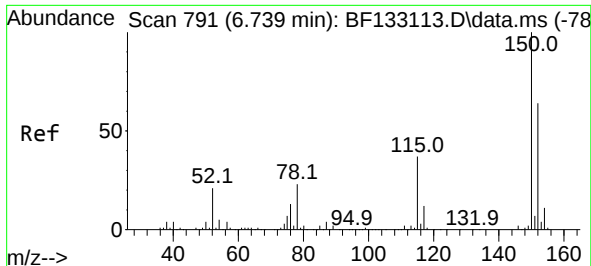
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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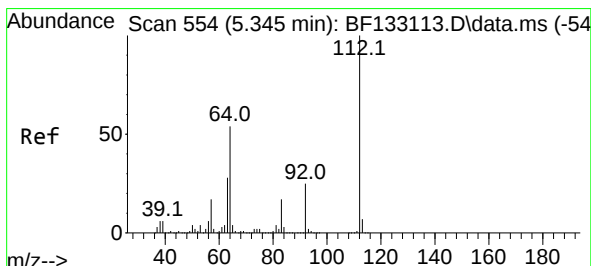
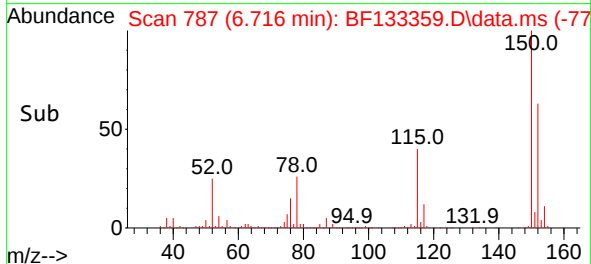
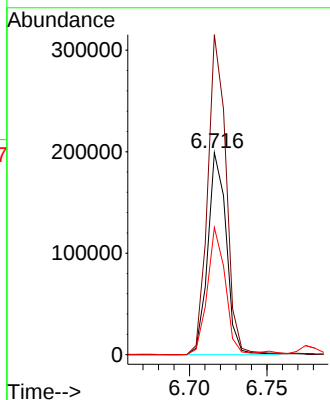
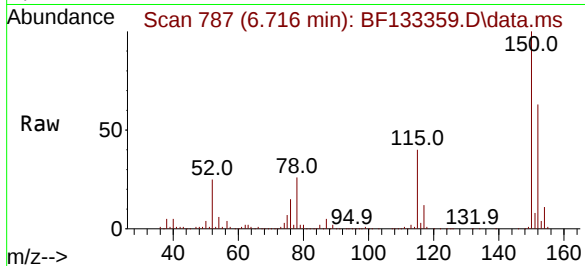




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

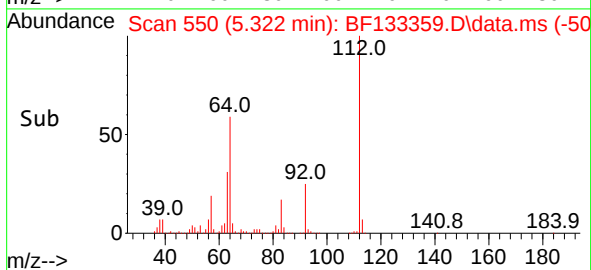
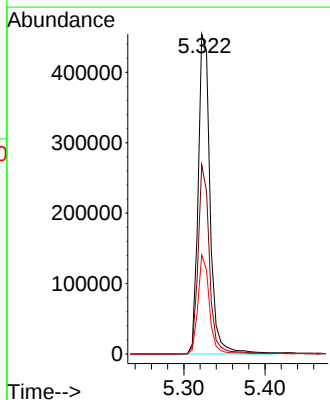
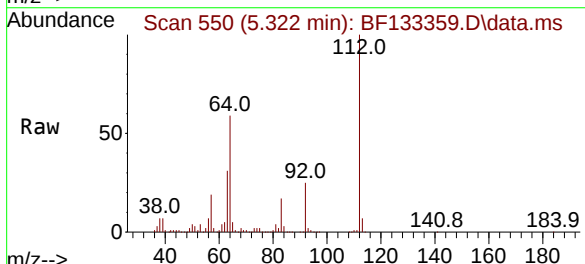
Instrument :
BNA_F
ClientSampleId :
14-051023

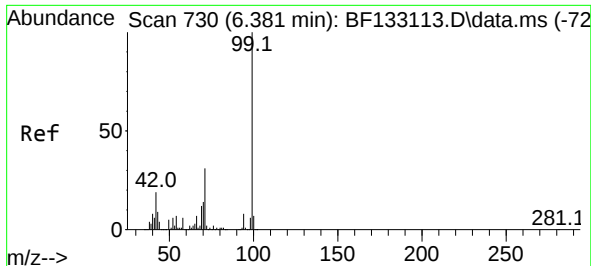
Tgt Ion:152 Resp: 165196
Ion Ratio Lower Upper
152 100
150 158.3 124.8 187.2
115 62.9 49.9 74.9



#5
2-Fluorophenol
Concen: 42.463 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Tgt Ion:112 Resp: 464364
Ion Ratio Lower Upper
112 100
64 59.2 46.8 70.2
63 30.9 23.8 35.8

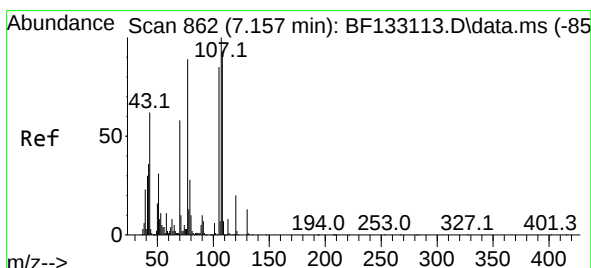
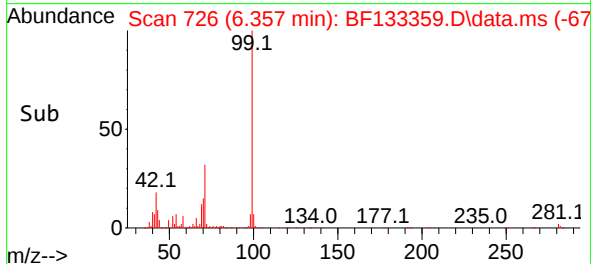
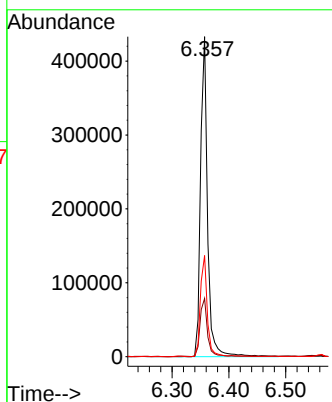
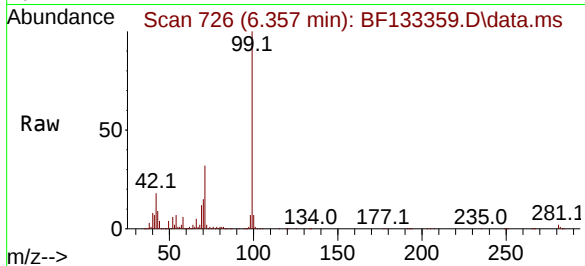




#7
Phenol-d6
Concen: 27.339 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

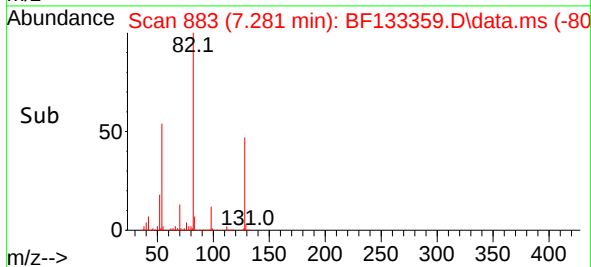
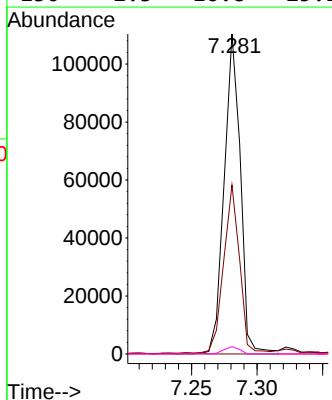
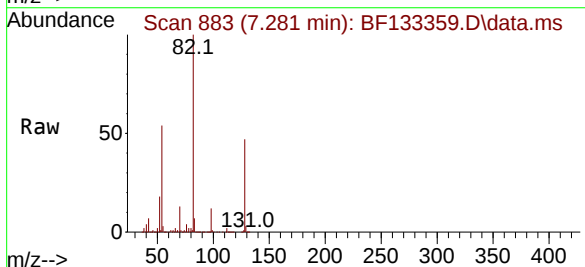
Instrument :
BNA_F
ClientSampleId :
14-051023

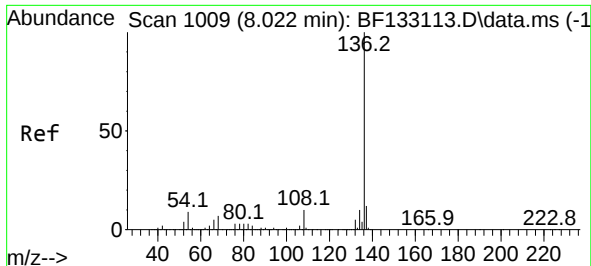
Tgt Ion: 99 Resp: 371081
Ion Ratio Lower Upper
99 100
42 18.2 16.3 24.5
71 31.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.224 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Tgt Ion: 70 Resp: 94845
Ion Ratio Lower Upper
70 100
42 52.8 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#



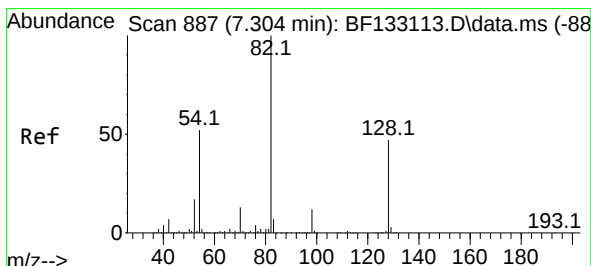
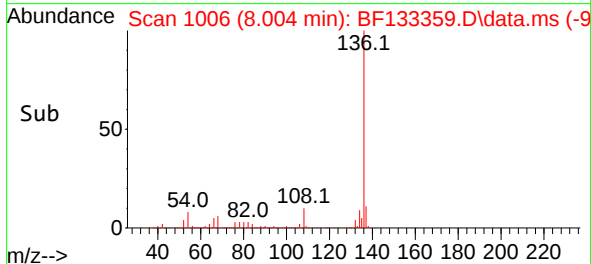
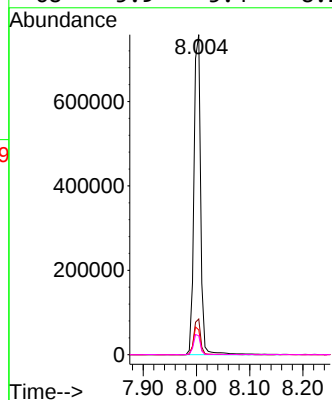
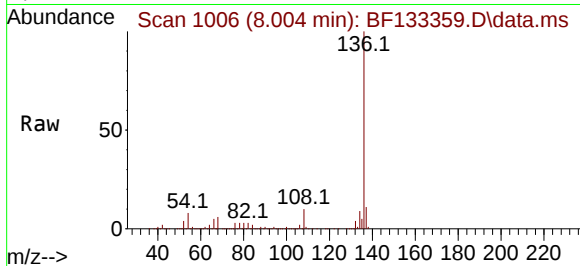


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Instrument :
BNA_F
ClientSampleId :
14-051023

Tgt Ion:136 Resp: 667030

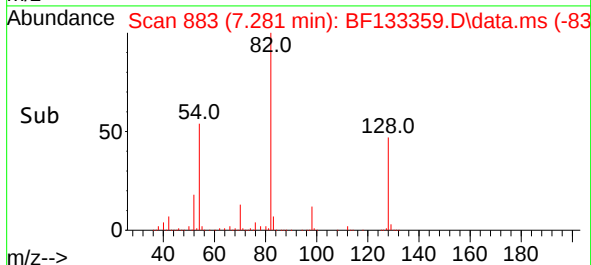
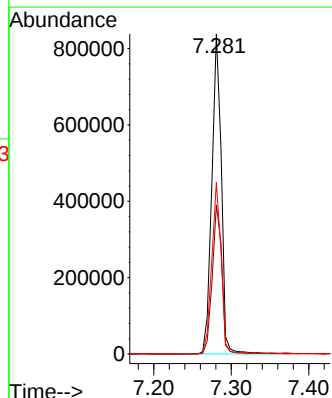
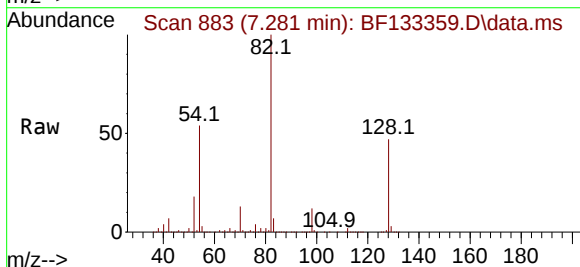
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.8	7.0	10.4
68	5.9	5.4	8.2

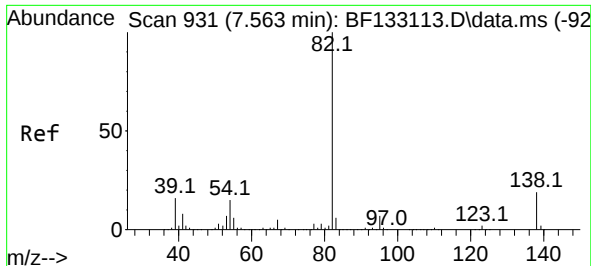


#23
Nitrobenzene-d5
Concen: 57.868 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Tgt Ion: 82 Resp: 715112

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	53.6	43.0	64.4

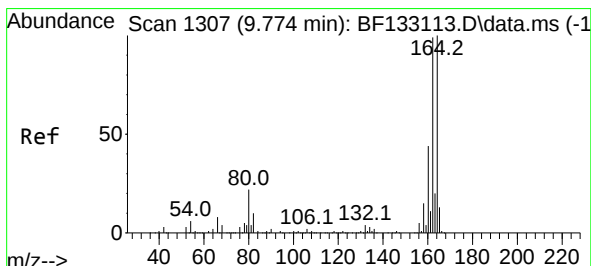
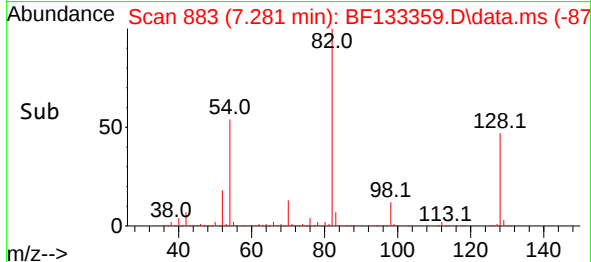
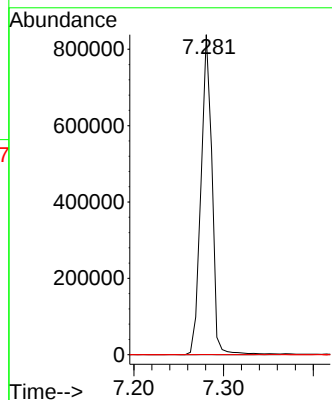
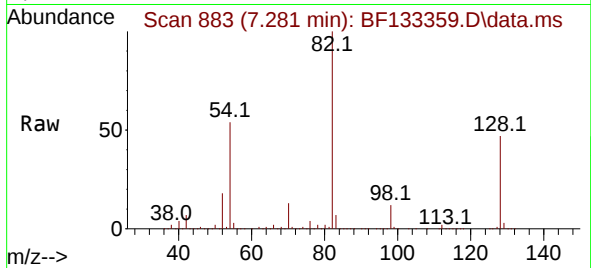




#25
Isophorone
Concen: 30.479 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

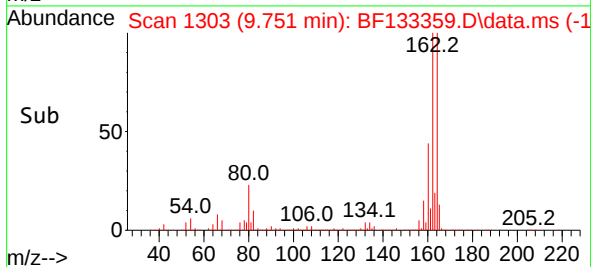
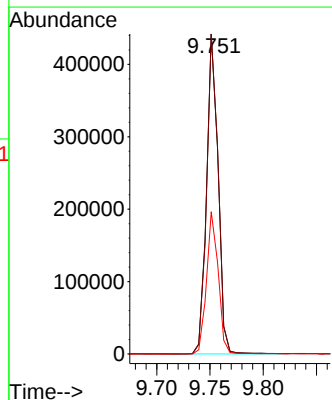
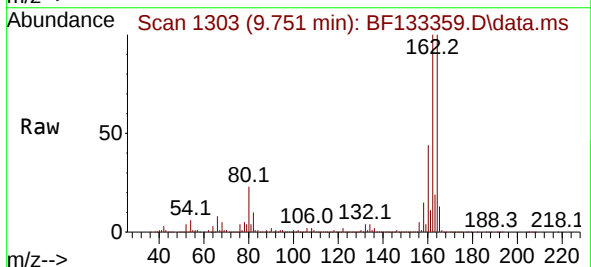
Instrument :
BNA_F
ClientSampleId :
14-051023

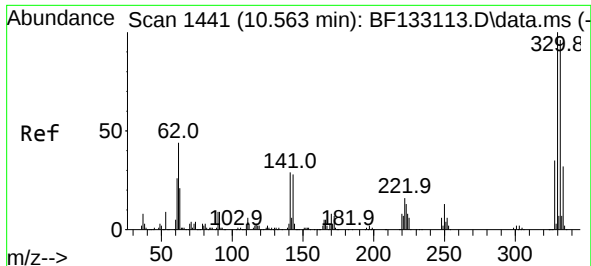
Tgt Ion: 82 Resp: 715122
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Tgt Ion:164 Resp: 333877
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 44.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 88.924 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133359.D

Acq: 11 May 2023 17:36

Instrument :

BNA_F

ClientSampleId :

14-051023

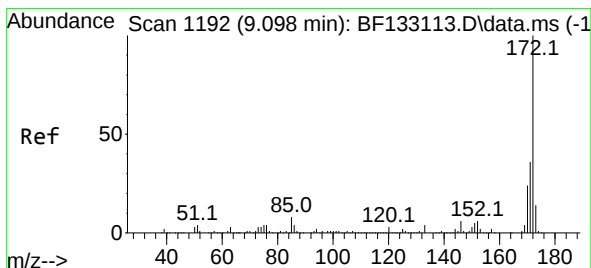
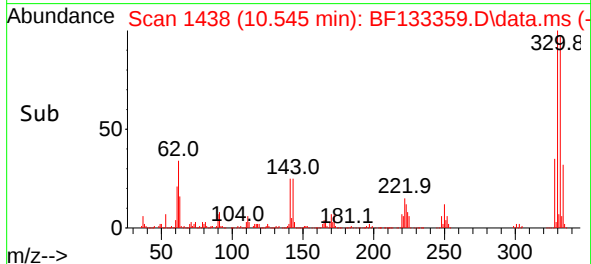
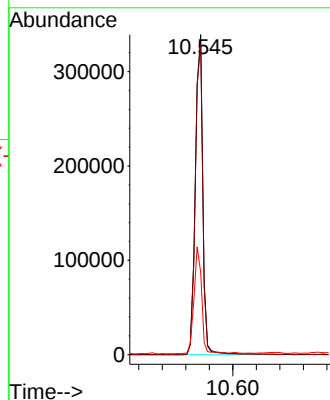
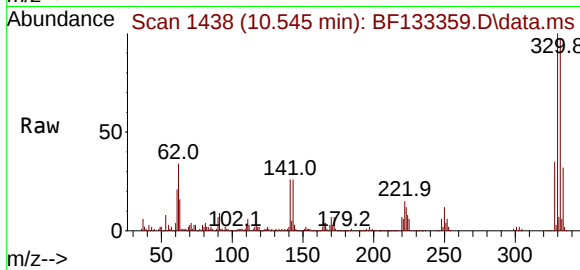
Tgt Ion:330 Resp: 298586

Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

141 34.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 66.518 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133359.D

Acq: 11 May 2023 17:36

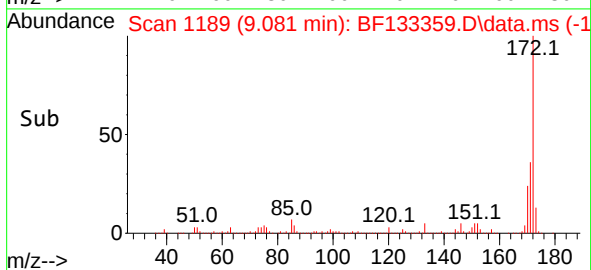
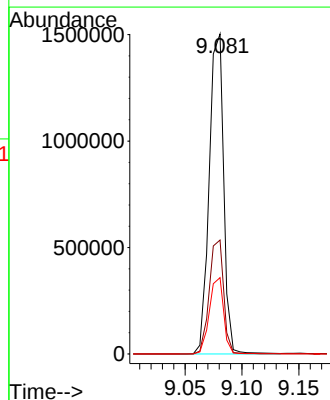
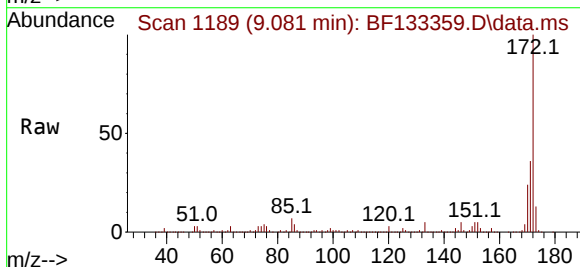
Tgt Ion:172 Resp: 1327482

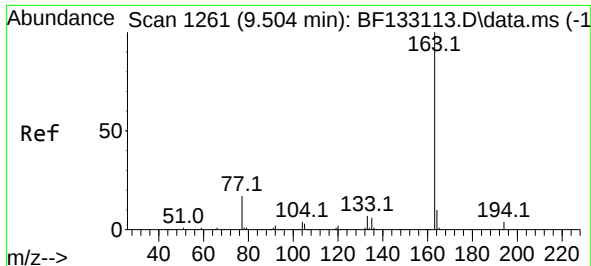
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.8 19.4 29.2

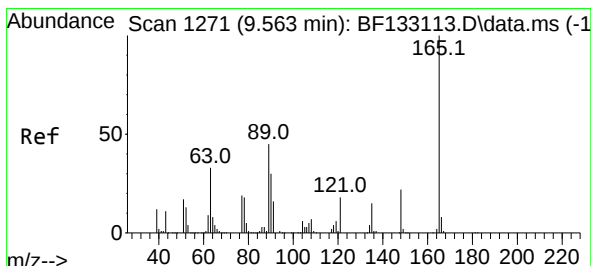
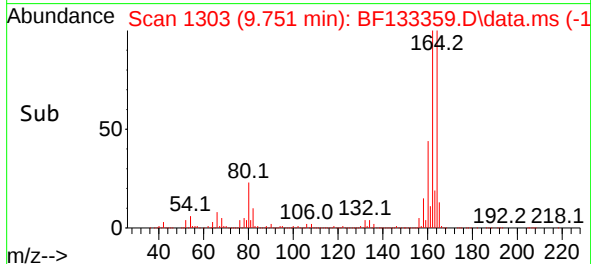
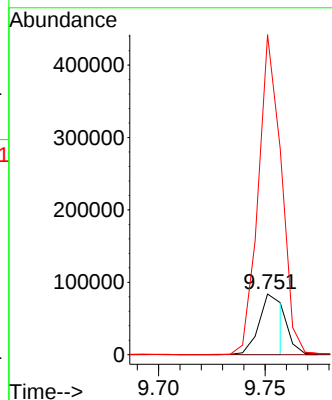
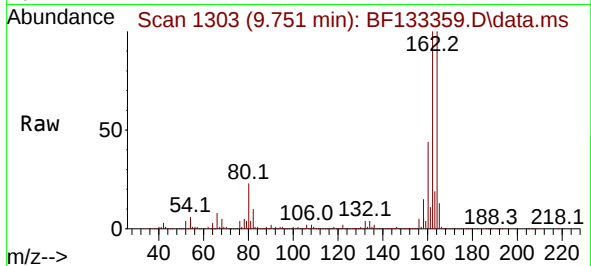




#50
Dimethylphthalate
Concen: 2.806 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.265 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

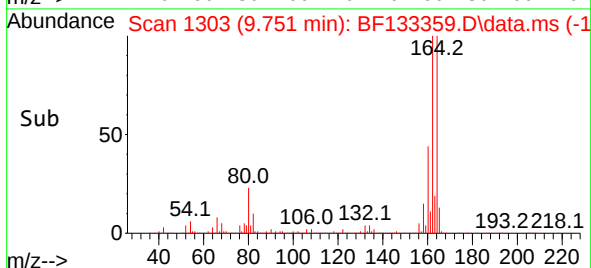
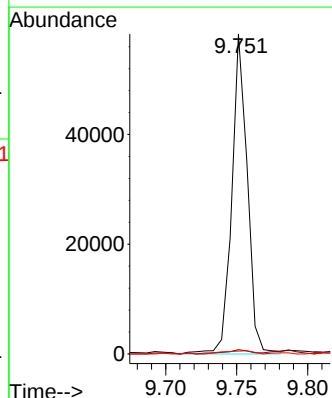
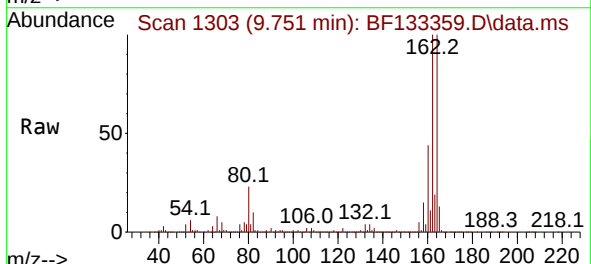
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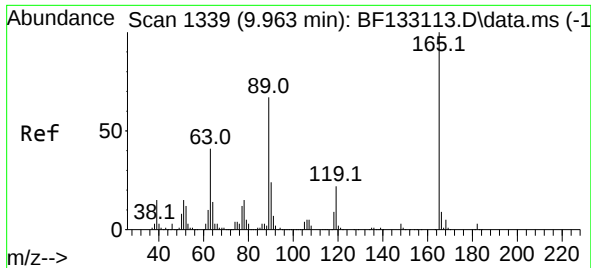
Tgt Ion:163 Resp: 65318
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 527.3 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.497 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.206 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Tgt Ion:165 Resp: 44521
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 0.9 44.0 66.0#

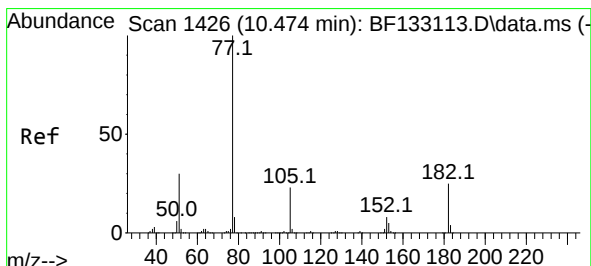
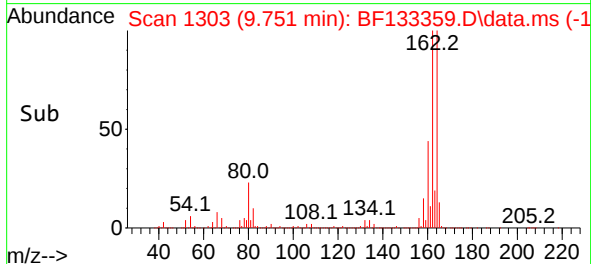
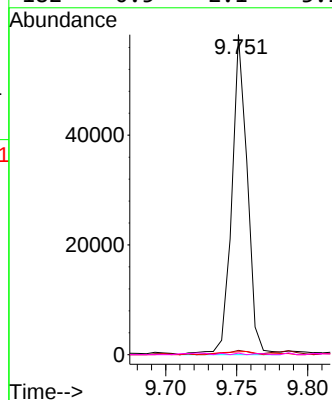
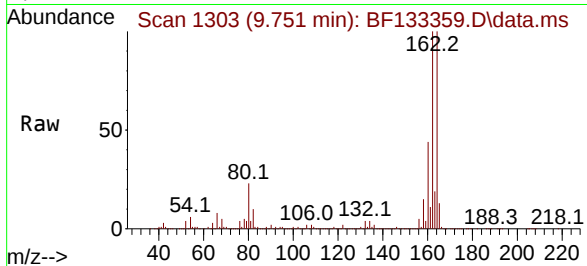




#57
2,4-Dinitrotoluene
Concen: 6.663 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

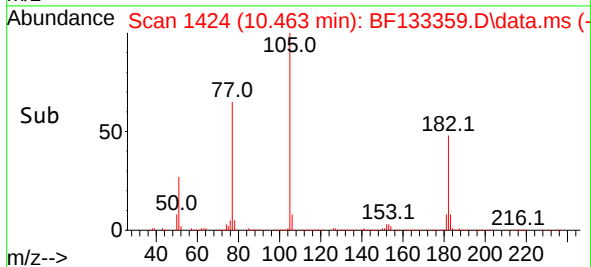
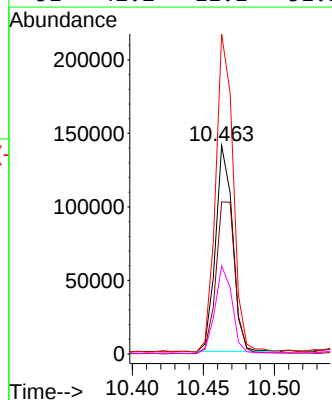
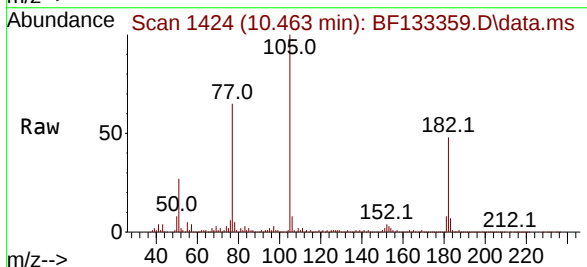
Instrument :
BNA_F
ClientSampleId :
14-051023

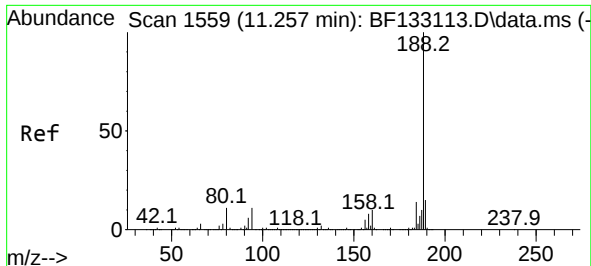
Tgt Ion:165 Resp: 44521
Ion Ratio Lower Upper
165 100
63 1.4 37.7 56.5#
89 0.9 57.0 85.4#
182 0.5 2.1 3.1#



#63
Azobenzene
Concen: 4.985 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Tgt Ion: 77 Resp: 116115
Ion Ratio Lower Upper
77 100
182 73.0 5.9 45.9#
105 153.6 2.3 42.3#
51 42.2 11.1 51.1

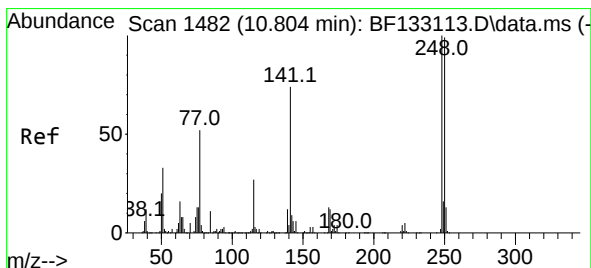
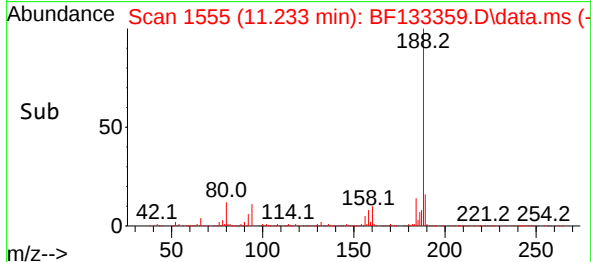
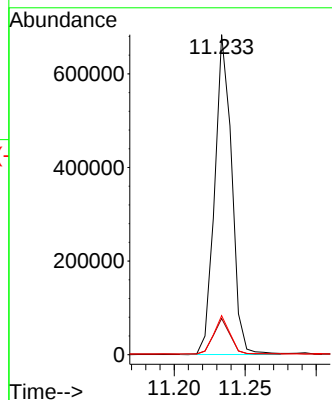
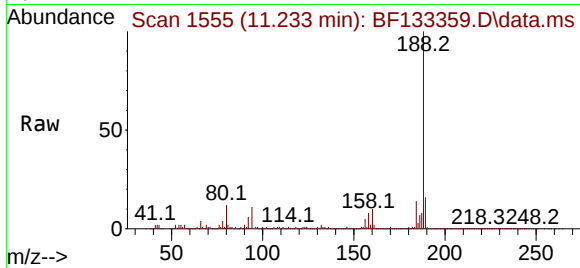




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

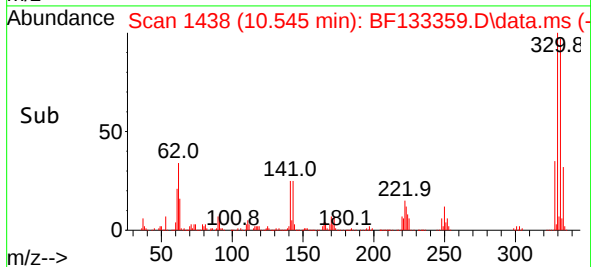
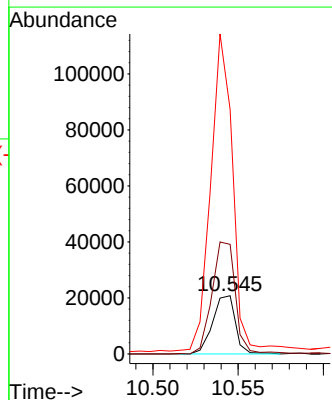
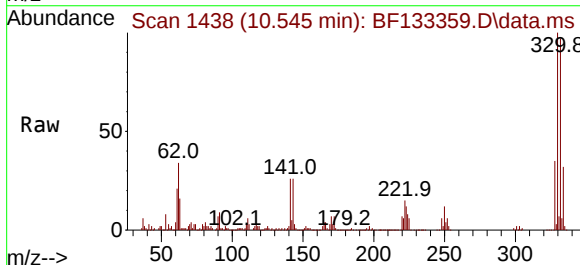
Instrument :
BNA_F
ClientSampleId :
14-051023

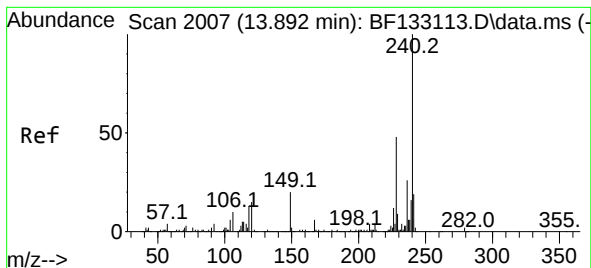
Tgt Ion:188 Resp: 571471
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 12.2 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.116 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.241 min
Lab File: BF133359.D
Acq: 11 May 2023 17:36

Tgt Ion:248 Resp: 19314
Ion Ratio Lower Upper
248 100
250 188.1 78.7 118.1#
141 419.5 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.869 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133359.D

Acq: 11 May 2023 17:36

Instrument :

BNA_F

ClientSampleId :

14-051023

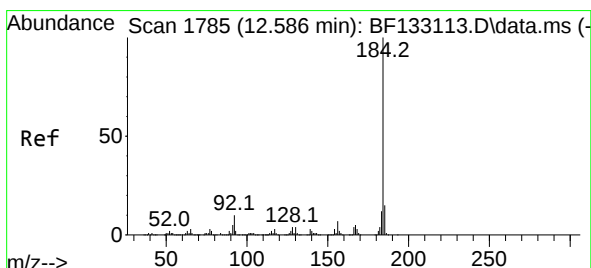
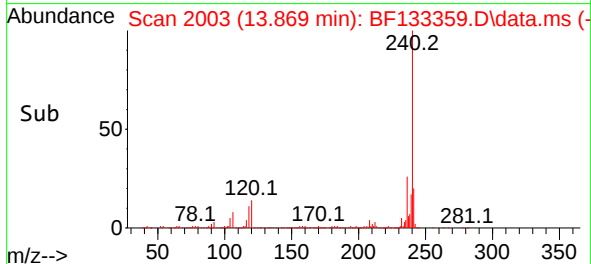
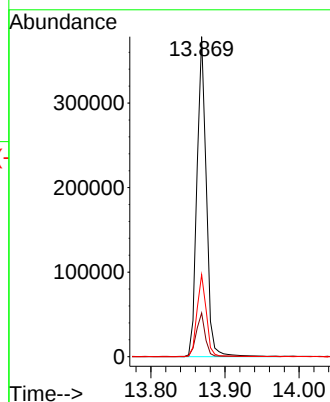
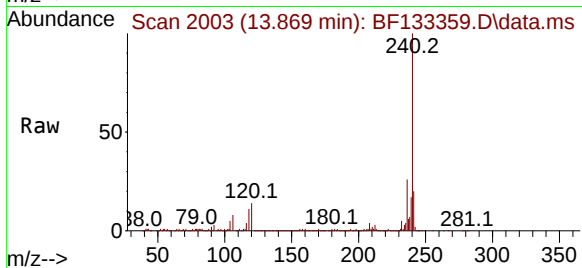
Tgt Ion:240 Resp: 331885

Ion Ratio Lower Upper

240 100

120 13.6 10.5 15.7

236 25.6 21.5 32.3



#77

Benzidine

Concen: 2.981 ng

RT: 12.822 min Scan# 1825

Delta R.T. 0.247 min

Lab File: BF133359.D

Acq: 11 May 2023 17:36

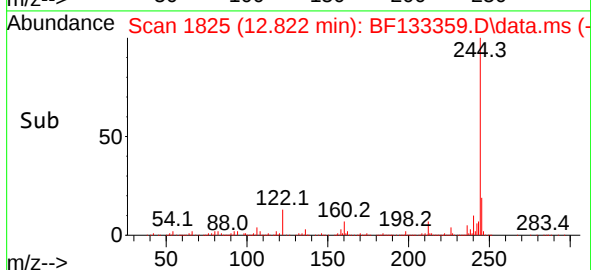
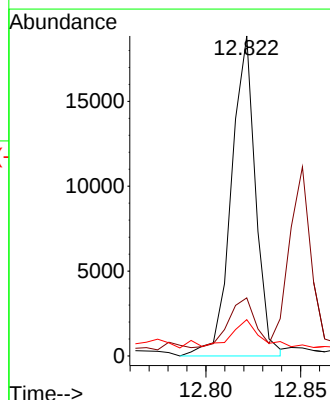
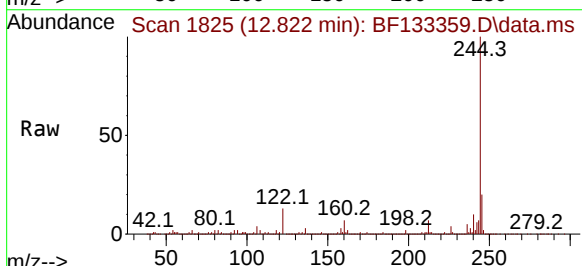
Tgt Ion:184 Resp: 16733

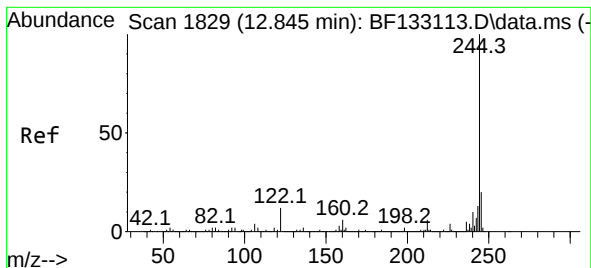
Ion Ratio Lower Upper

184 100

185 18.2 15.4 23.2

183 11.3 9.4 14.0





#79

Terphenyl-d14

Concen: 67.984 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF133359.D

Acq: 11 May 2023 17:36

Instrument :

BNA_F

ClientSampleId :

14-051023

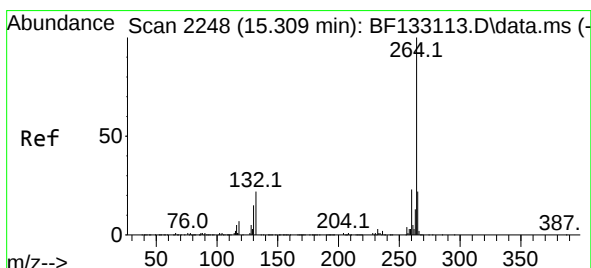
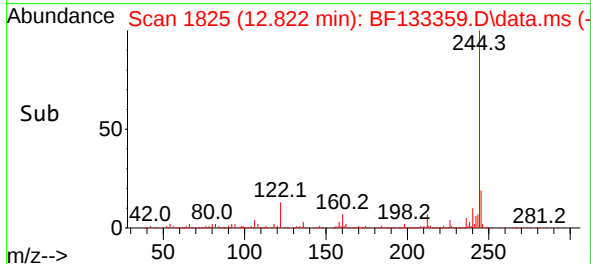
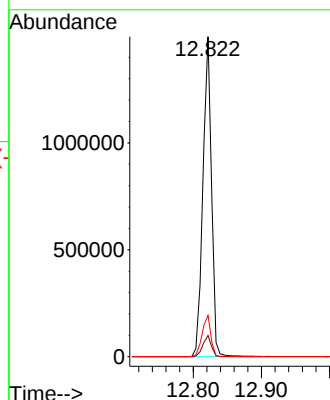
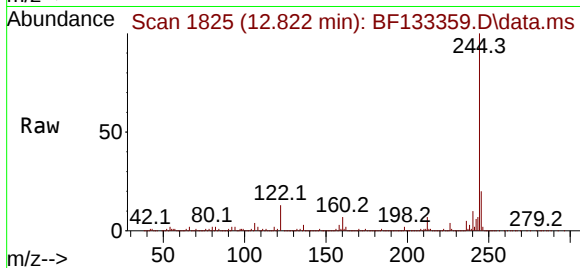
Tgt Ion:244 Resp: 1308245

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 12.9 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.286 min Scan# 2244

Delta R.T. -0.006 min

Lab File: BF133359.D

Acq: 11 May 2023 17:36

Tgt Ion:264 Resp: 408278

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 21.2 17.0 25.4

