

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135783.D
 Acq On : 16 Oct 2023 18:45
 Operator : CG\JU
 Sample : 04656-21
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-102S

Quant Time: Oct 17 01:57:04 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)

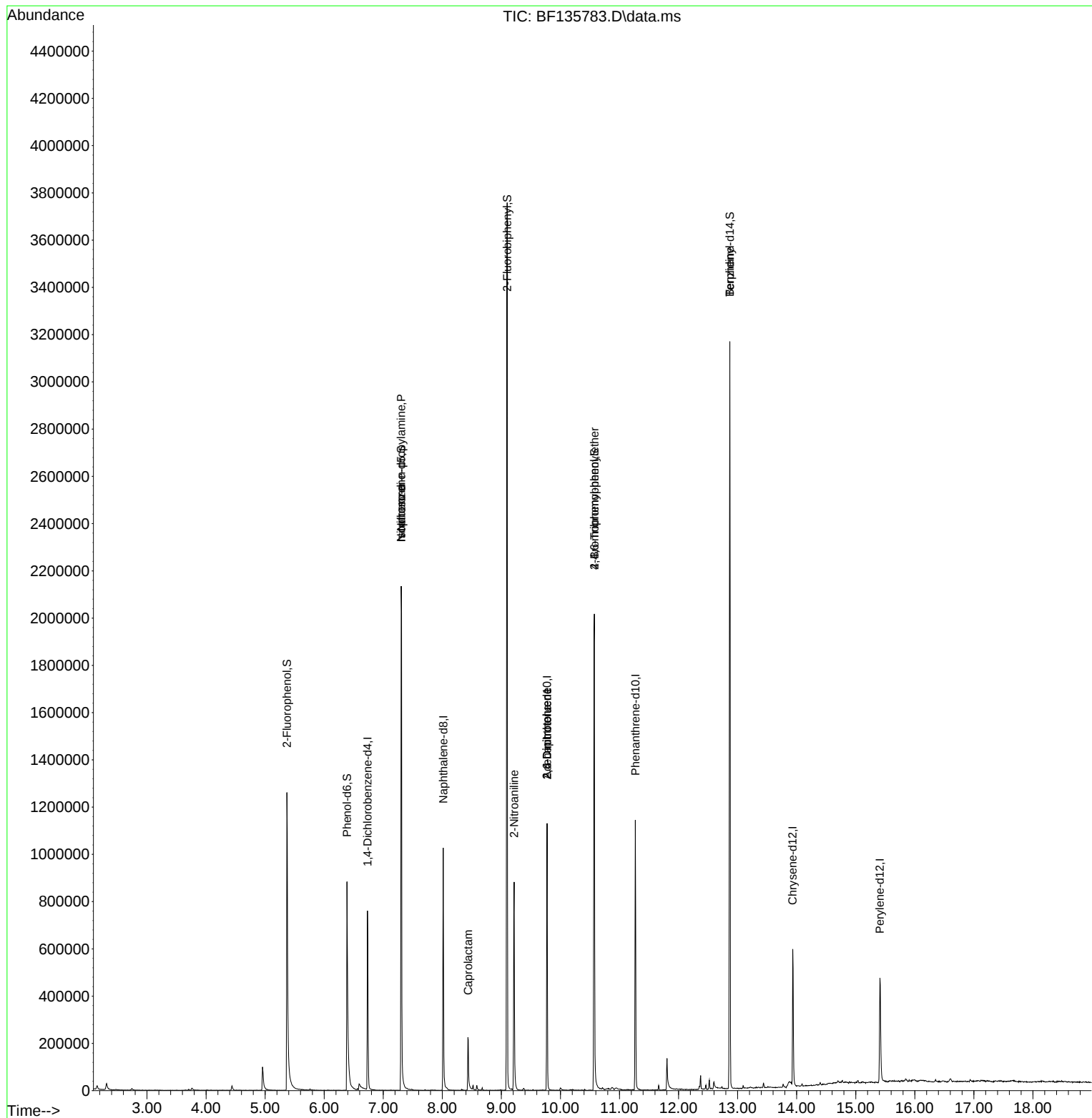
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	111766	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	421970	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	212528	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	417623	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	211611	20.000	ng	#-0.02
86) Perylene-d12	15.409	264	236000	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	455102	65.466	ng	0.00
7) Phenol-d6	6.387	99	376221	43.374	ng	-0.01
23) Nitrobenzene-d5	7.304	82	686500	89.478	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	260241	127.608	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1169220	86.016	ng	0.00
79) Terphenyl-d14	12.868	244	1136660	99.475	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	92659	17.277	ng	# 76
25) Isophorone	7.304	82	686495	47.429	ng	# 66
35) Caprolactam	8.439	113	22802	11.506	ng	# 81
48) 2-Nitroaniline	9.216	65	9449	2.040	ng	# 16
51) 2,6-Dinitrotoluene	9.775	165	26990	8.748	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	26990	6.876	ng	# 23
67) 4-Bromophenyl-phenylether	10.575	248	16073	3.834	ng	# 1
77) Benzidine	12.868	184	14813	3.208	ng	# 96

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

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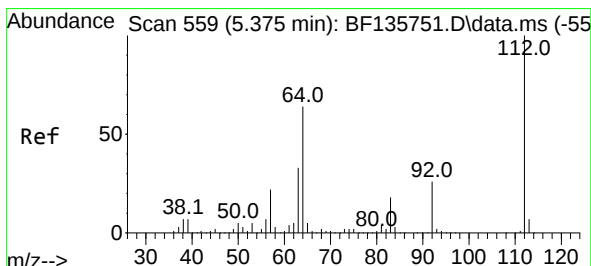
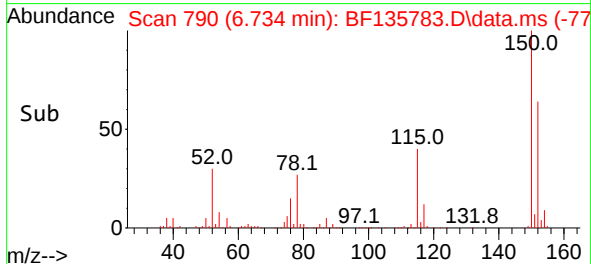
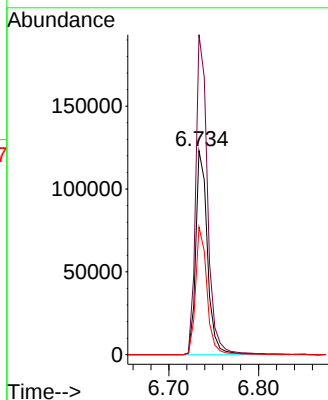
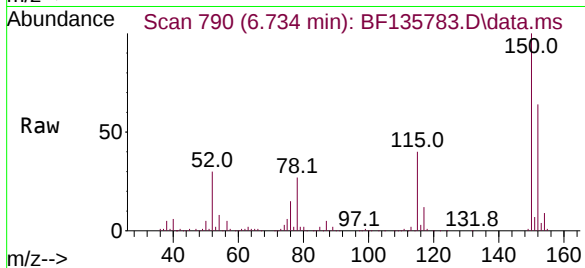




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

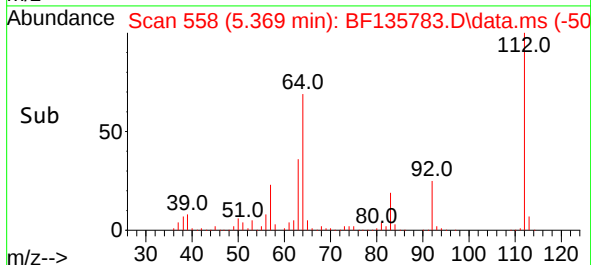
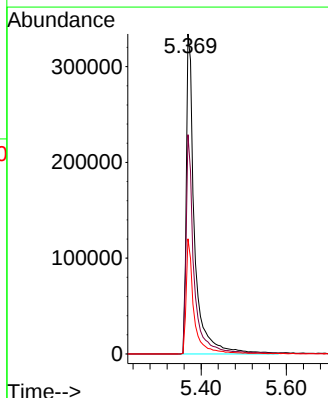
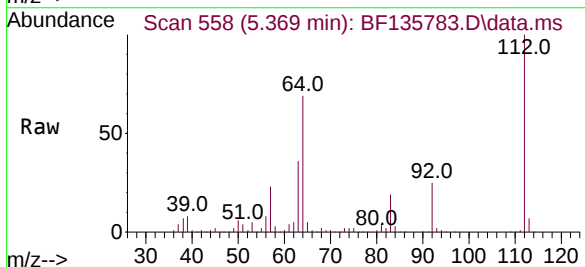
Instrument :
BNA_F
ClientSampleId :
MW-102S

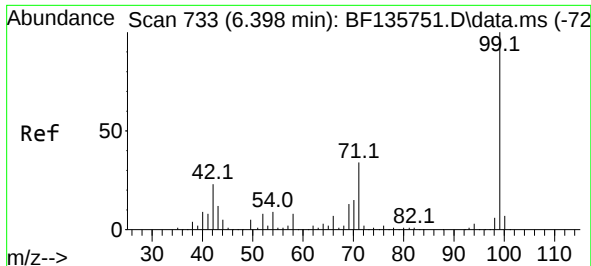
Tgt Ion:152 Resp: 111766
Ion Ratio Lower Upper
152 100
150 156.9 124.5 186.7
115 62.6 49.0 73.4



#5
2-Fluorophenol
Concen: 65.466 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

Tgt Ion:112 Resp: 455102
Ion Ratio Lower Upper
112 100
64 68.5 51.2 76.8
63 36.0 26.1 39.1

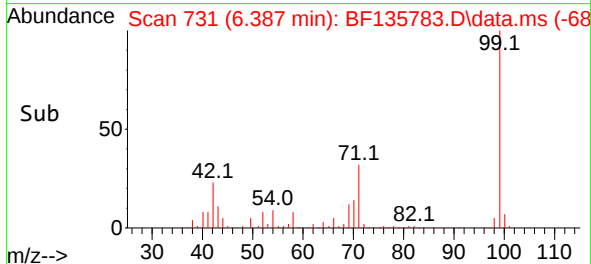
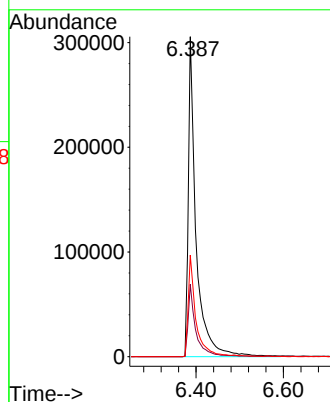
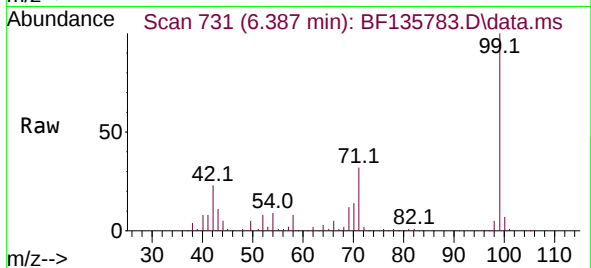




#7
Phenol-d6
Concen: 43.374 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

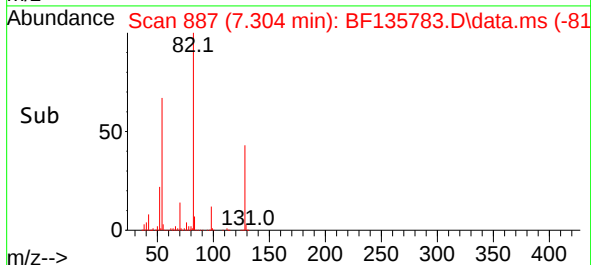
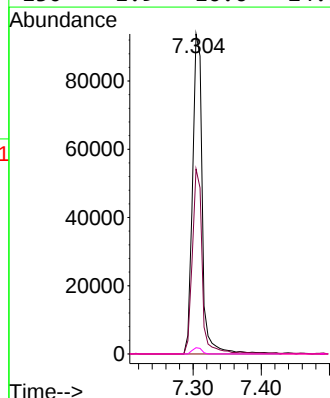
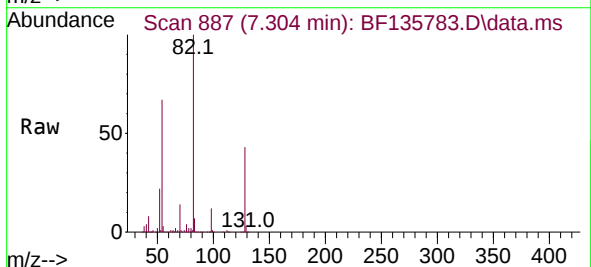
Instrument :
BNA_F
ClientSampleId :
MW-102S

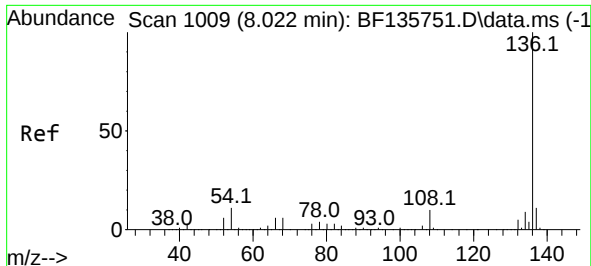
Tgt Ion: 99 Resp: 376221
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 31.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.277 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

Tgt Ion: 70 Resp: 92659
Ion Ratio Lower Upper
70 100
42 57.8 59.8 89.6#
101 0.0 7.4 11.2#
130 1.9 16.6 24.8#



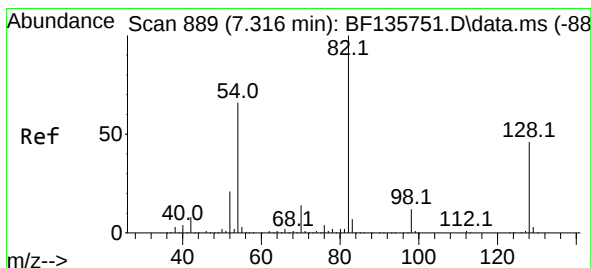
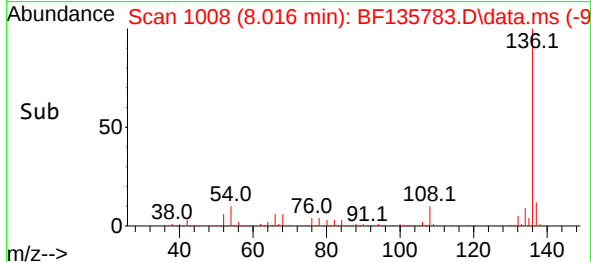
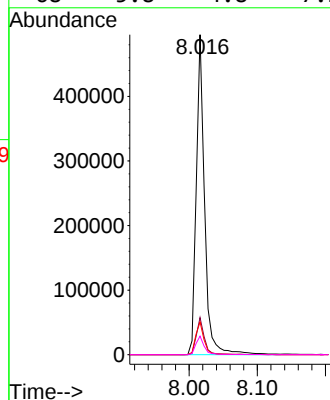
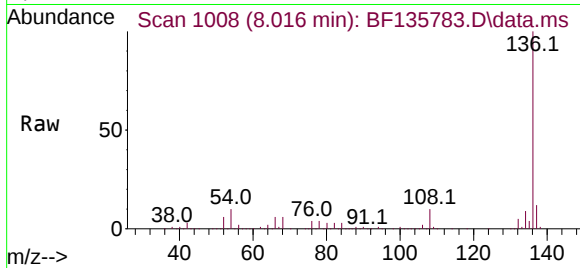


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

Instrument :
BNA_F
ClientSampleId :
MW-102S

Tgt Ion:136 Resp: 421970

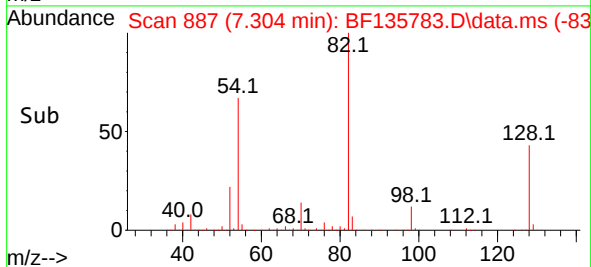
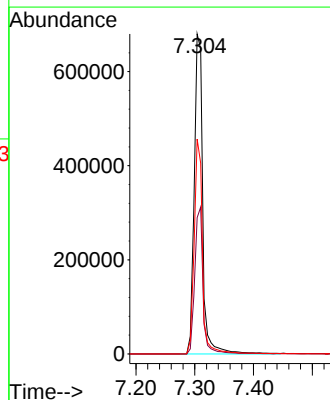
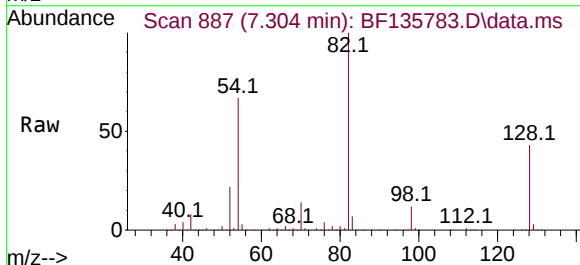
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	12.8
54	10.2	8.5	12.7
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 89.478 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

Tgt Ion: 82 Resp: 686500

Ion	Ratio	Lower	Upper
82	100		
128	42.6	37.0	55.6
54	67.1	52.8	79.2

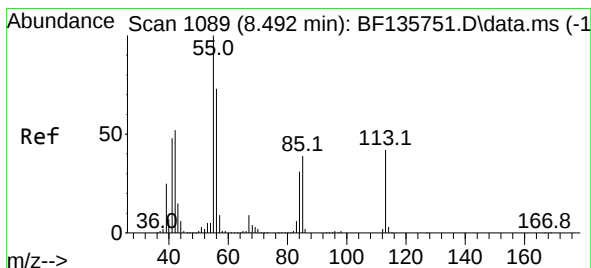
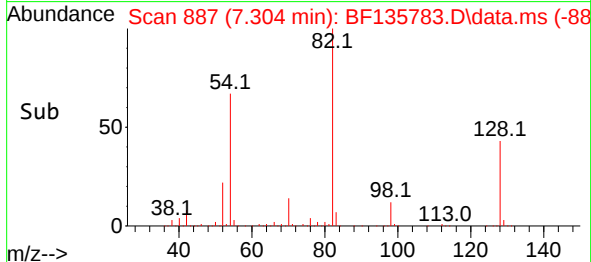
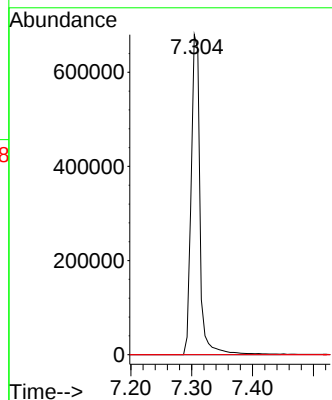
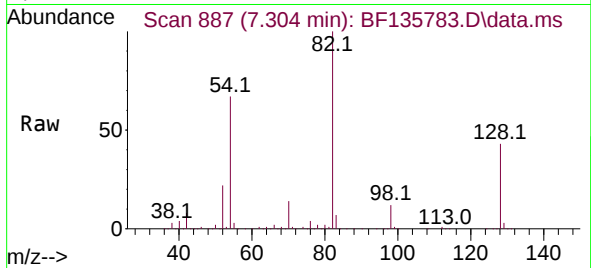




#25
Isophorone
Concen: 47.429 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

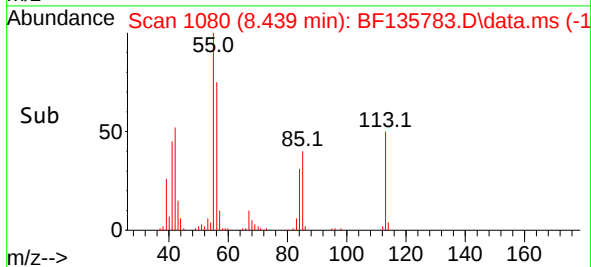
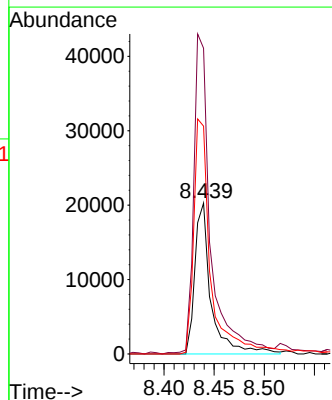
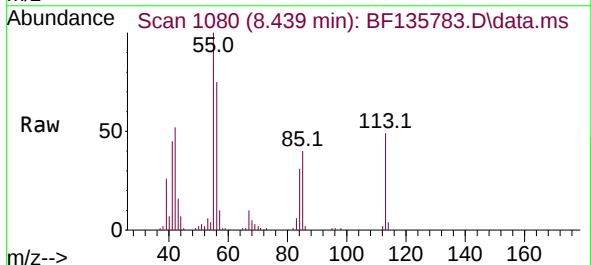
Instrument :
BNA_F
ClientSampleId :
MW-102S

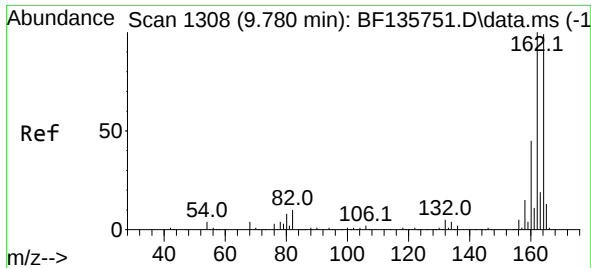
Tgt Ion: 82 Resp: 686495
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#35
Caprolactam
Concen: 11.506 ng
RT: 8.439 min Scan# 1080
Delta R.T. -0.059 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

Tgt Ion: 113 Resp: 22802
Ion Ratio Lower Upper
113 100
55 202.6 217.4 257.4#
56 150.9 153.1 193.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

Instrument :

BNA_F

ClientSampleId :

MW-102S

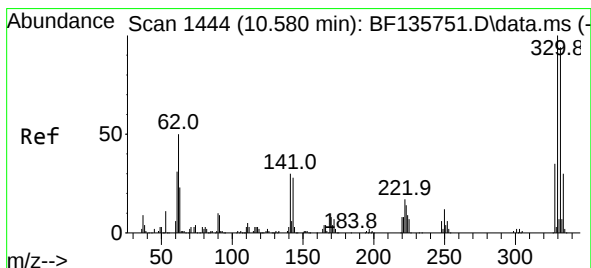
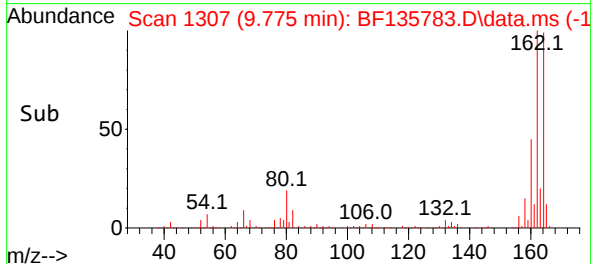
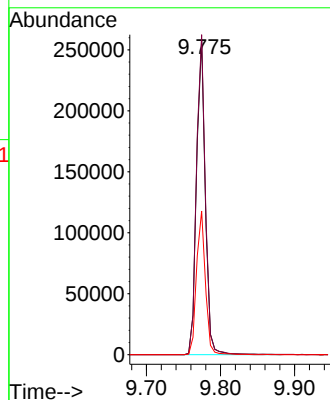
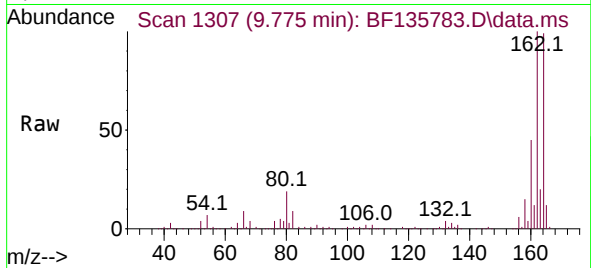
Tgt Ion:164 Resp: 212528

Ion Ratio Lower Upper

164 100

162 101.5 80.8 121.2

160 45.6 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 127.608 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

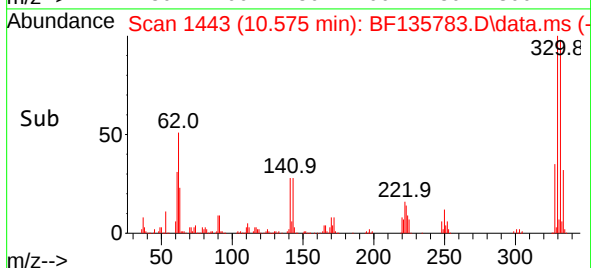
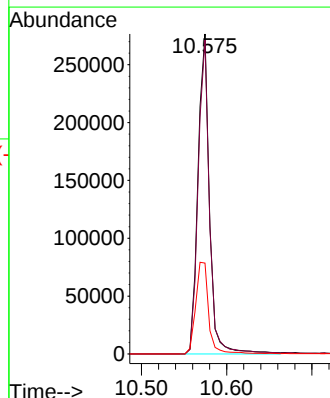
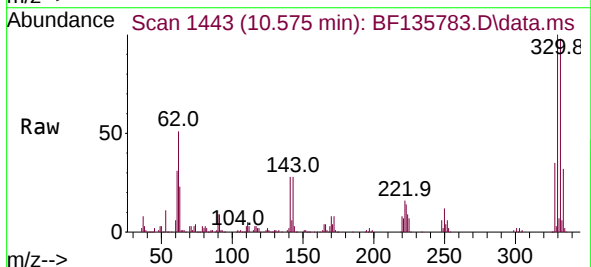
Tgt Ion:330 Resp: 260241

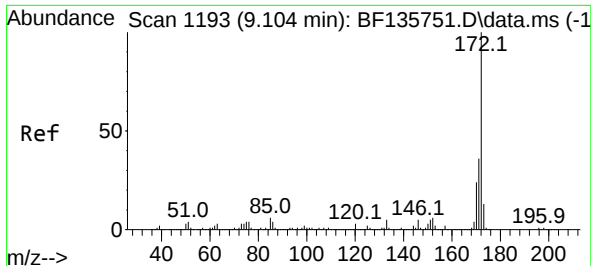
Ion Ratio Lower Upper

330 100

332 97.6 75.0 112.4

141 32.5 25.8 38.6

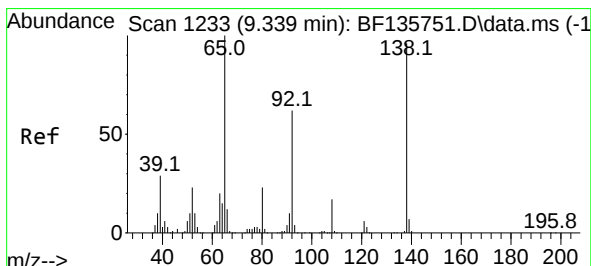
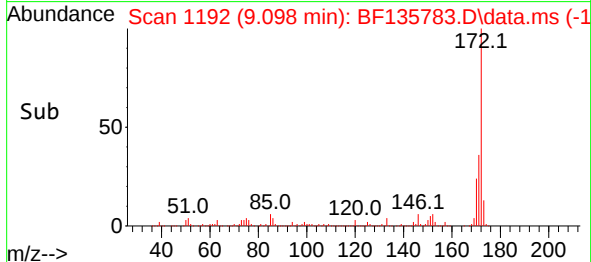
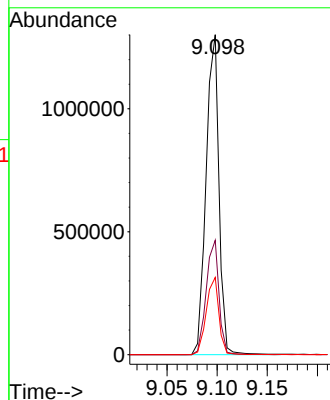
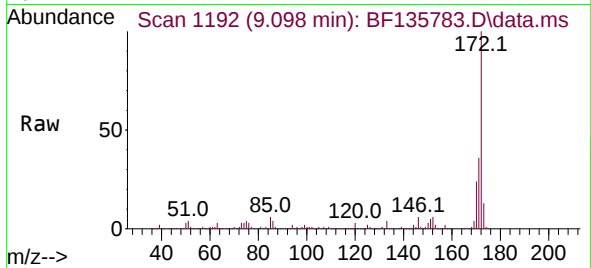




#45
2-Fluorobiphenyl
Concen: 86.016 ng
RT: 9.098 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

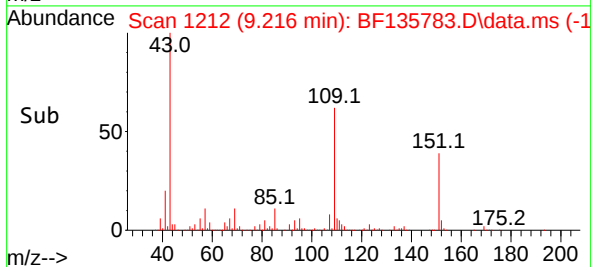
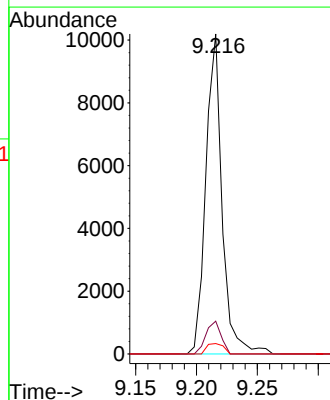
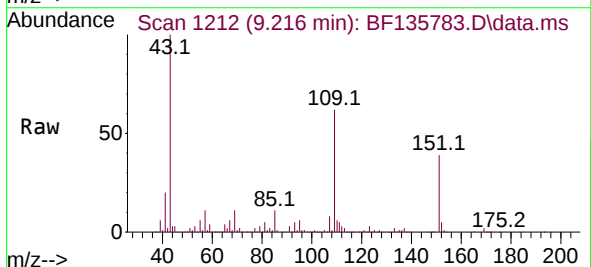
Instrument :
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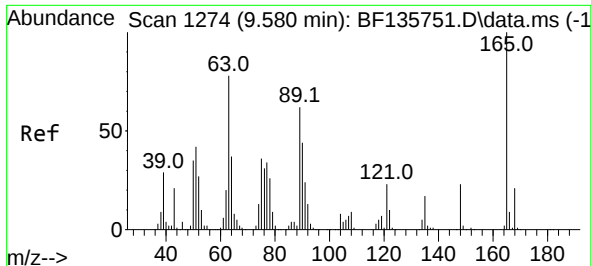
Tgt Ion:172 Resp: 1169220
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.2 18.8 28.2



#48
2-Nitroaniline
Concen: 2.040 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.124 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

Tgt Ion: 65 Resp: 9449
Ion Ratio Lower Upper
65 100
92 10.2 49.4 74.0#
138 3.2 76.6 114.8#

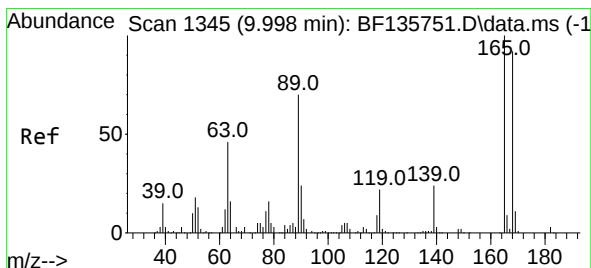
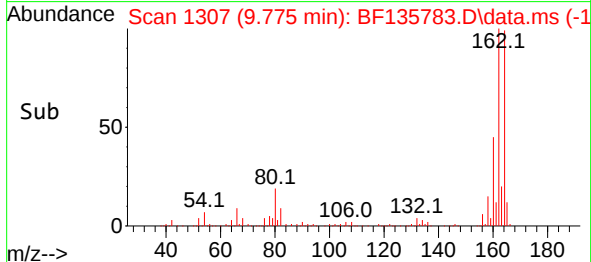
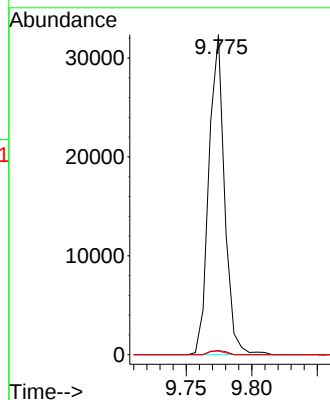
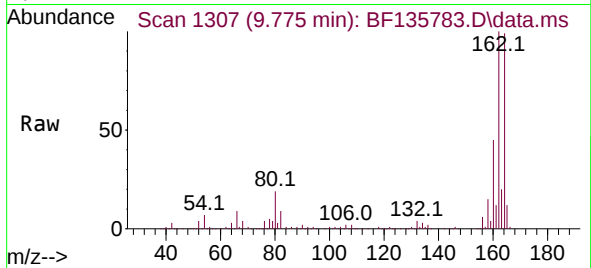




#51
2,6-Dinitrotoluene
Concen: 8.748 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

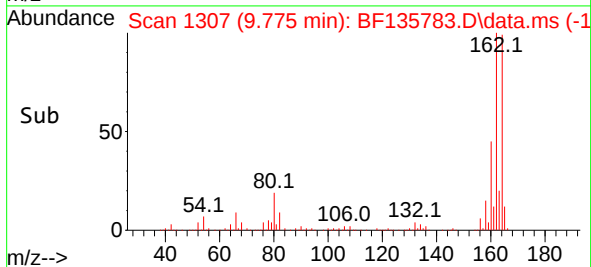
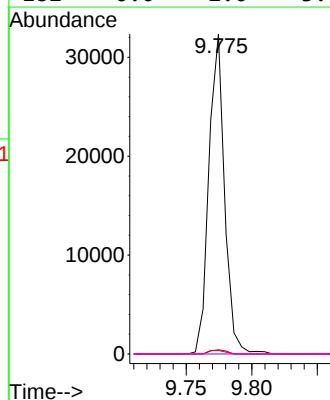
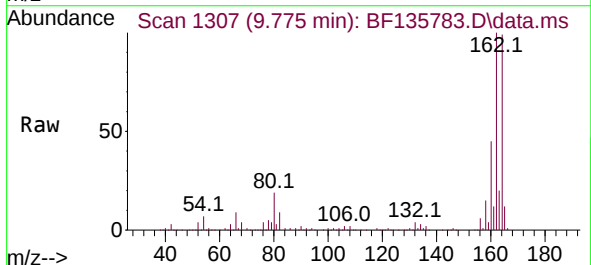
Instrument :
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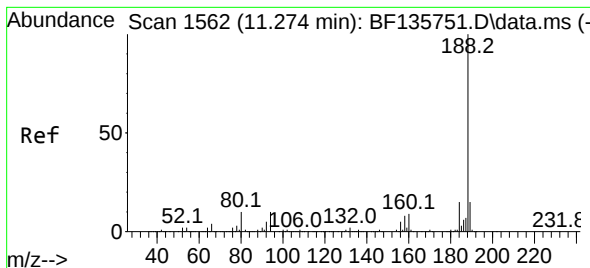
Tgt Ion:165 Resp: 26990
Ion Ratio Lower Upper
165 100
63 1.3 62.2 93.4#
89 1.1 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.876 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135783.D
Acq: 16 Oct 2023 18:45

Tgt Ion:165 Resp: 26990
Ion Ratio Lower Upper
165 100
63 1.3 39.0 58.4#
89 1.1 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

Instrument :

BNA_F

ClientSampleId :

MW-102S

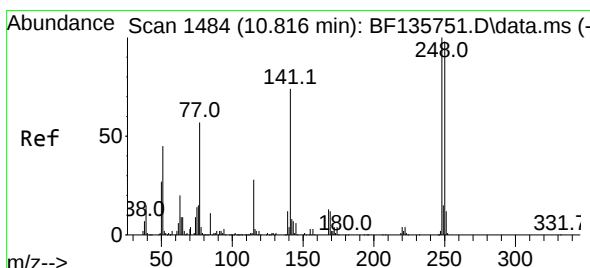
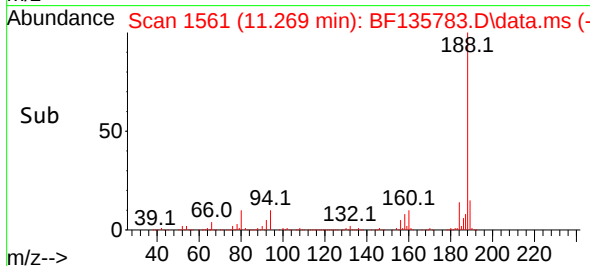
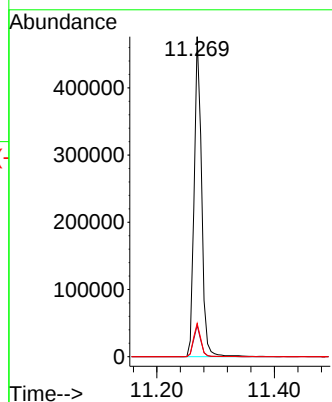
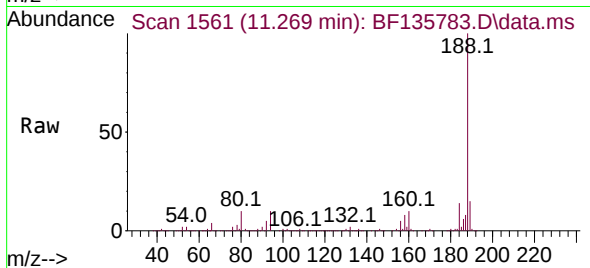
Tgt Ion:188 Resp: 417623

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

80 10.4 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.834 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

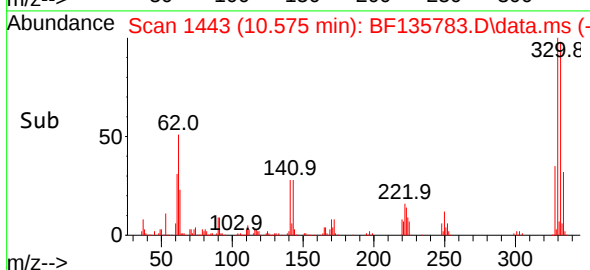
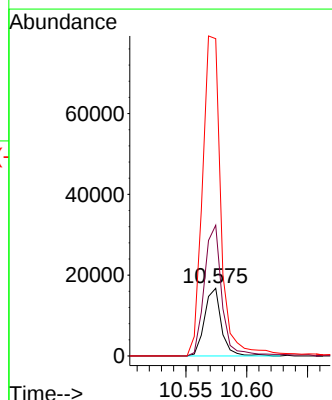
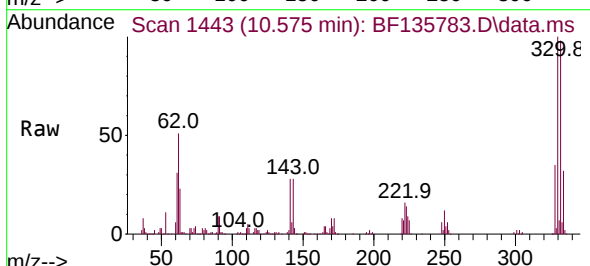
Tgt Ion:248 Resp: 16073

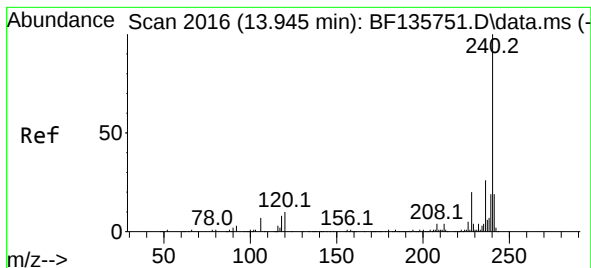
Ion Ratio Lower Upper

248 100

250 193.1 78.0 117.0#

141 468.4 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.018 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

Instrument :

BNA_F

ClientSampleId :

MW-102S

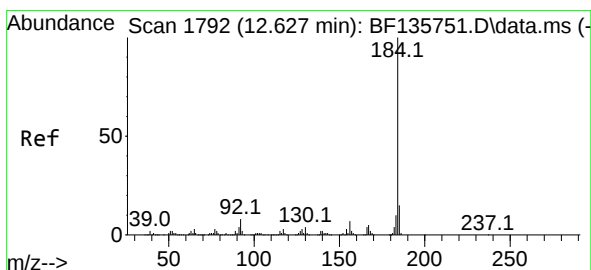
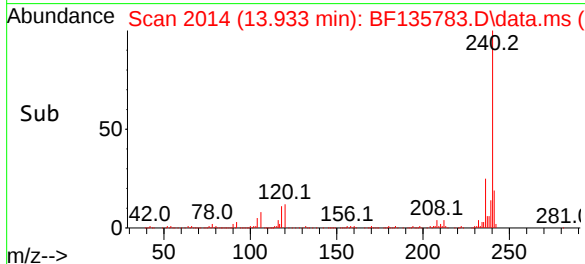
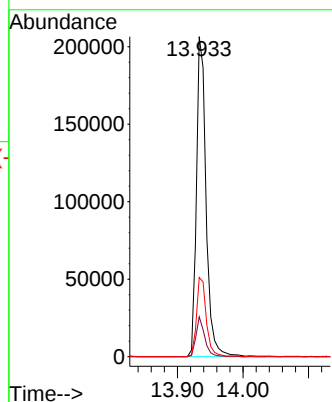
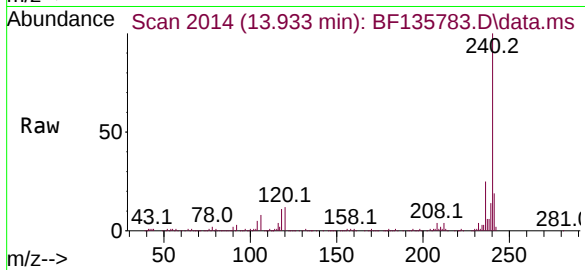
Tgt Ion:240 Resp: 211611

Ion Ratio Lower Upper

240 100

120 12.5 8.2 12.2#

236 24.8 21.2 31.8



#77

Benzidine

Concen: 3.208 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

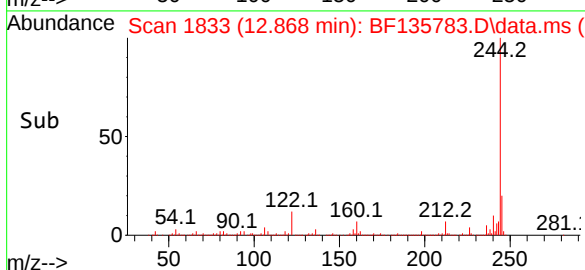
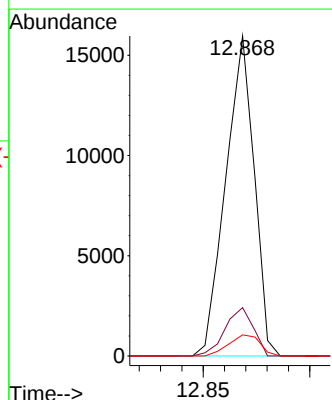
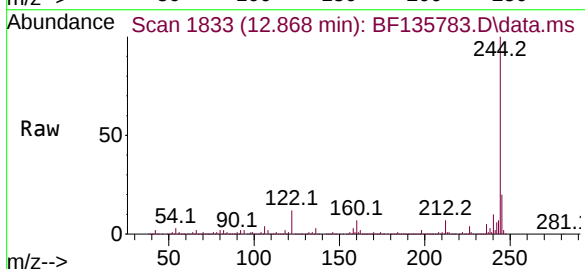
Tgt Ion:184 Resp: 14813

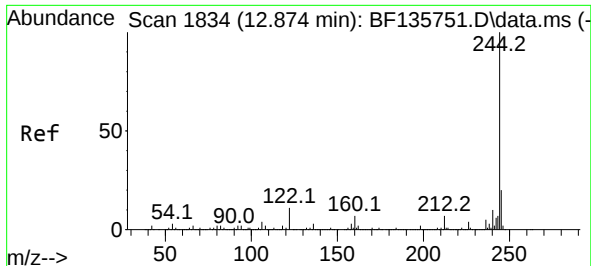
Ion Ratio Lower Upper

184 100

185 15.1 12.0 18.0

183 6.6 8.2 12.2#

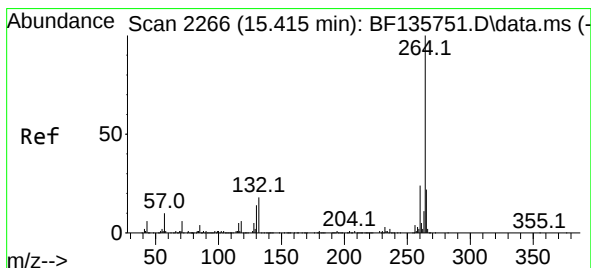
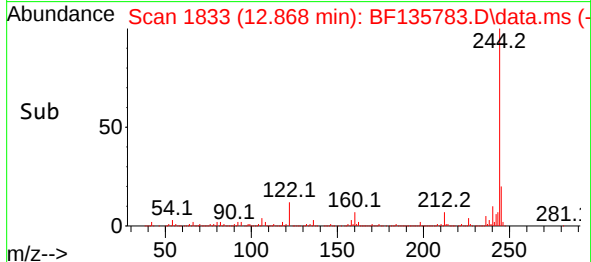
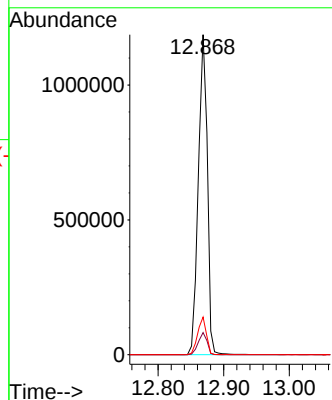
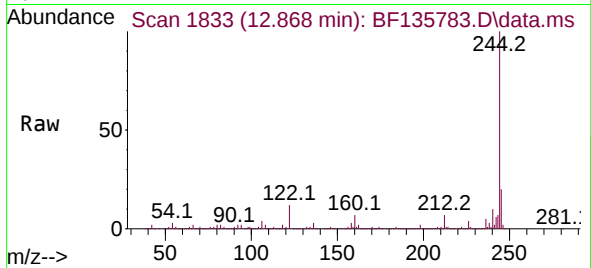




#79
 Terphenyl-d14
 Concen: 99.475 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135783.D
 Acq: 16 Oct 2023 18:45

Instrument :
 BNA_F
 ClientSampleId :
 MW-102S

Tgt Ion:244 Resp: 1136660
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.8 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135783.D
 Acq: 16 Oct 2023 18:45

Tgt Ion:264 Resp: 236000
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 20.1 17.4 26.2

