

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135782.D
 Acq On : 16 Oct 2023 18:14
 Operator : CG\JU
 Sample : 04656-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Quant Time: Oct 17 01:56:43 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)

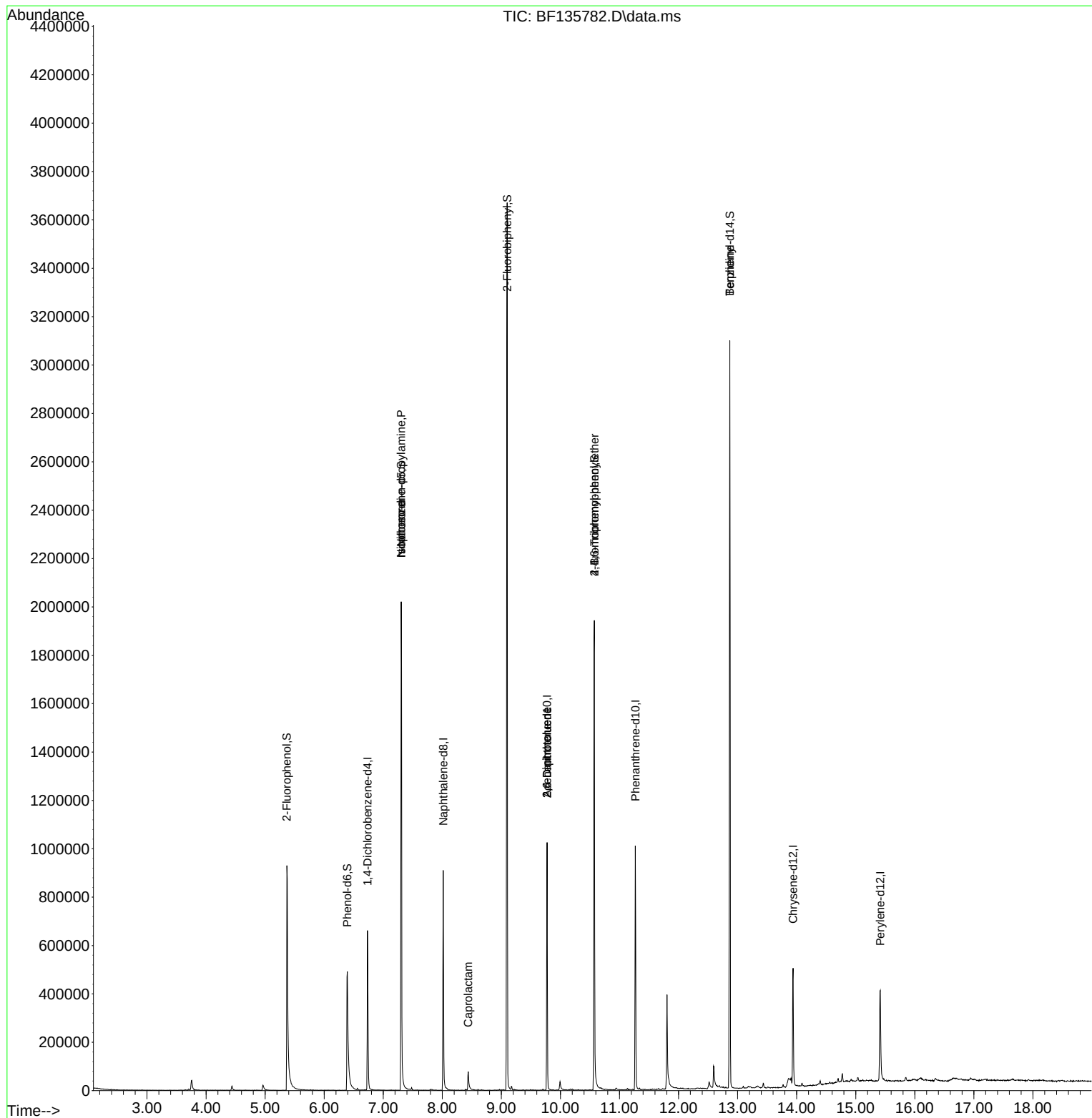
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	98316	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	382727	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	190148	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	360245	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	178289	20.000	ng	-0.01
86) Perylene-d12	15.415	264	197893	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	356447	58.289	ng	0.00
7) Phenol-d6	6.392	99	269332	35.299	ng	0.00
23) Nitrobenzene-d5	7.304	82	640198	91.999	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	254115	139.270	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1093582	89.921	ng	0.00
79) Terphenyl-d14	12.868	244	1094959	113.735	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	85935	18.215	ng	# 77
25) Isophorone	7.304	82	640191	48.765	ng	# 66
35) Caprolactam	8.439	113	9482	5.275	ng	# 85
51) 2,6-Dinitrotoluene	9.774	165	24498	8.875	ng	# 16
57) 2,4-Dinitrotoluene	9.774	165	24498	6.976	ng	# 24
67) 4-Bromophenyl-phenylether	10.574	248	15731	4.350	ng	# 1
77) Benzidine	12.868	184	13797	3.546	ng	# 95

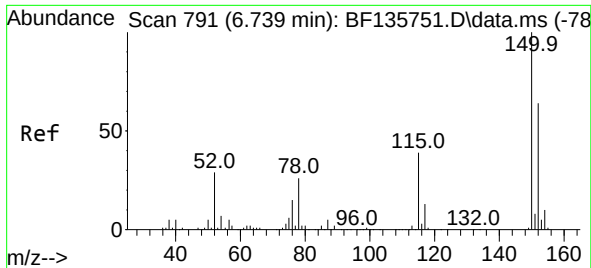
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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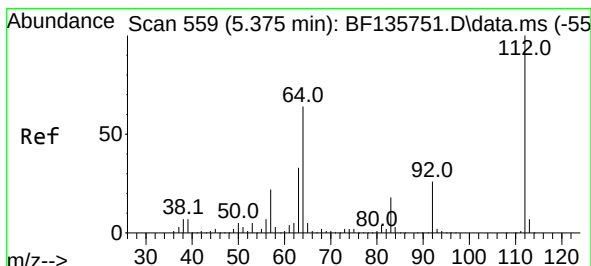
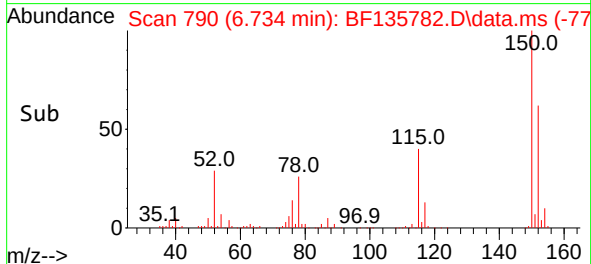
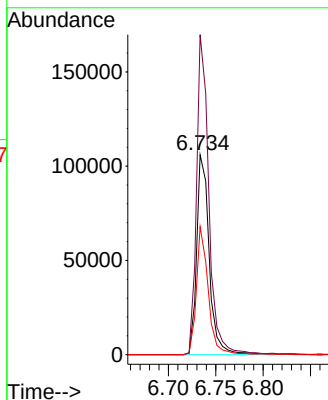
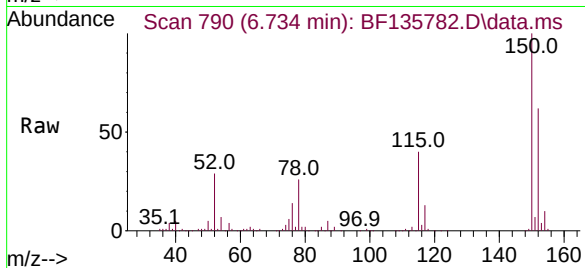




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

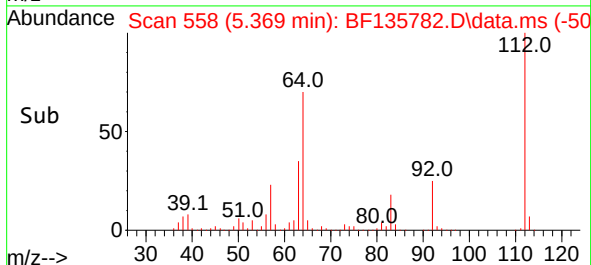
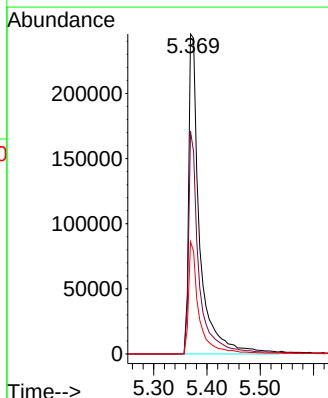
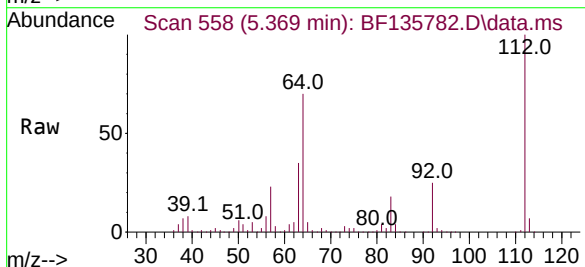
Instrument :
BNA_F
ClientSampleId :
MW-101S

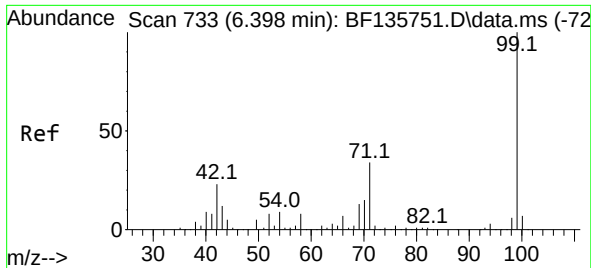
Tgt Ion:152 Resp: 98316
Ion Ratio Lower Upper
152 100
150 160.1 124.5 186.7
115 64.0 49.0 73.4



#5
2-Fluorophenol
Concen: 58.289 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Tgt Ion:112 Resp: 356447
Ion Ratio Lower Upper
112 100
64 69.6 51.2 76.8
63 35.1 26.1 39.1

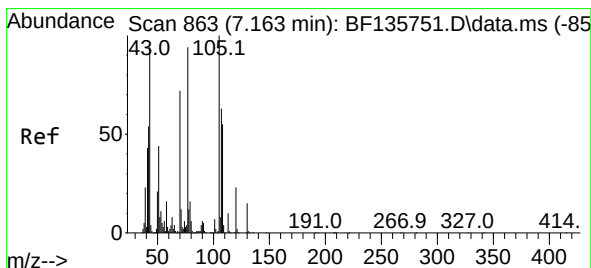
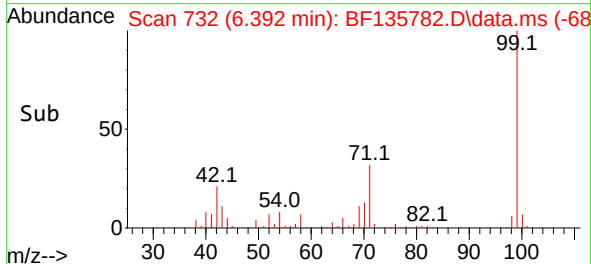
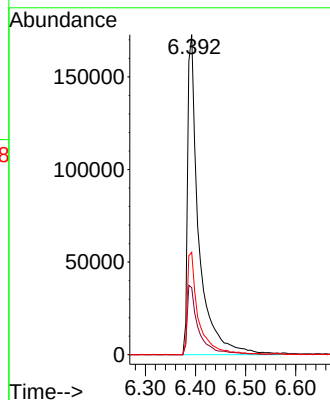
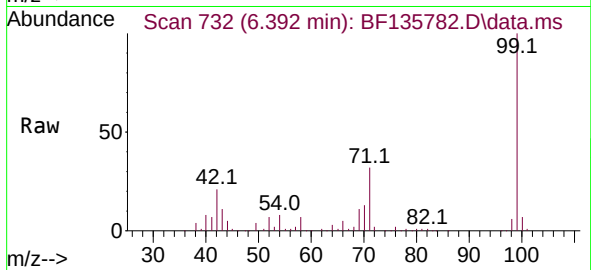




#7
Phenol-d6
Concen: 35.299 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

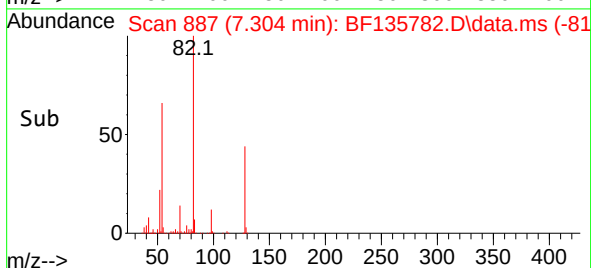
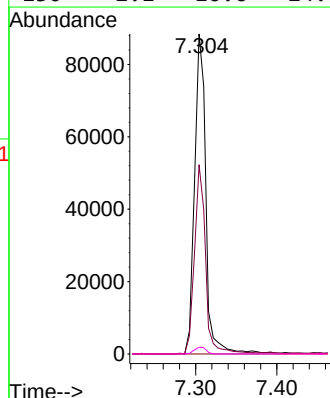
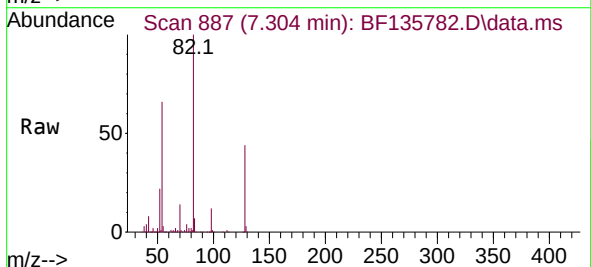
Instrument :
BNA_F
ClientSampleId :
MW-101S

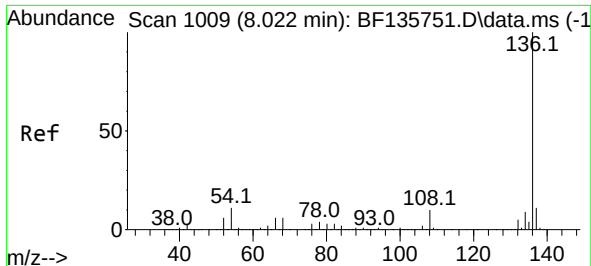
Tgt Ion: 99 Resp: 269332
Ion Ratio Lower Upper
99 100
42 21.0 18.4 27.6
71 32.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.215 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 70 Resp: 85935
Ion Ratio Lower Upper
70 100
42 59.1 59.8 89.6#
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#



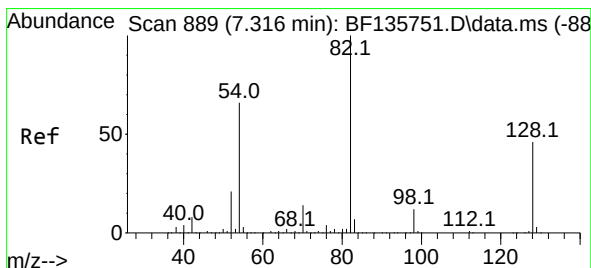
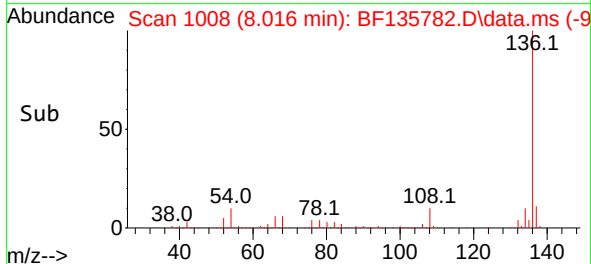
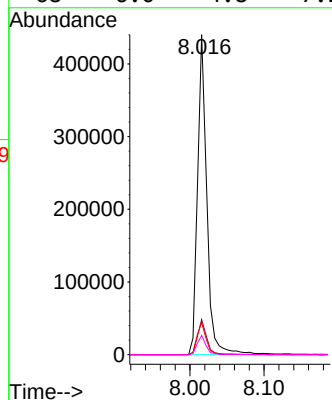
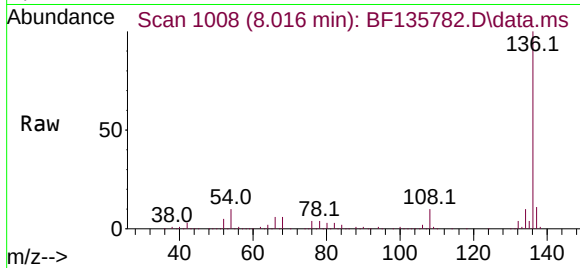


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Instrument :
BNA_F
ClientSampleId :
MW-101S

Tgt Ion:136 Resp: 382727

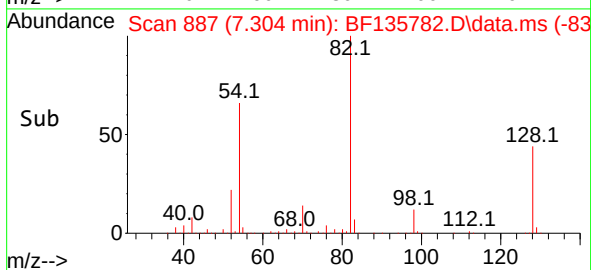
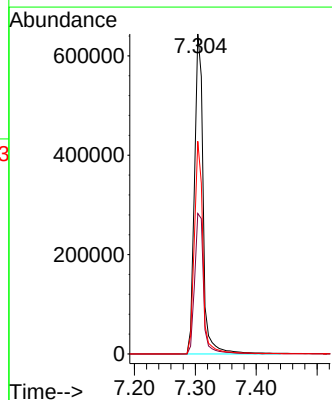
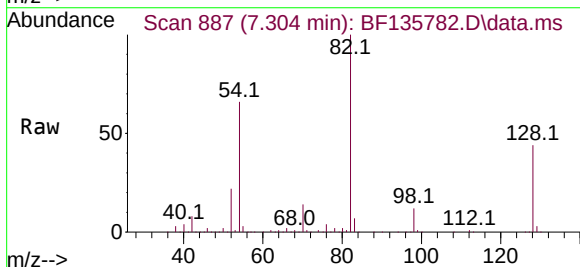
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.0	8.5	12.7
68	6.0	4.8	7.2

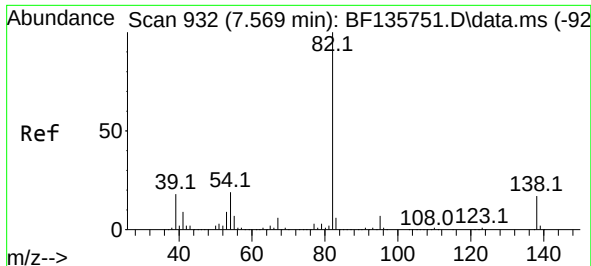


#23
Nitrobenzene-d5
Concen: 91.999 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 82 Resp: 640198

Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.0	55.6
54	66.5	52.8	79.2

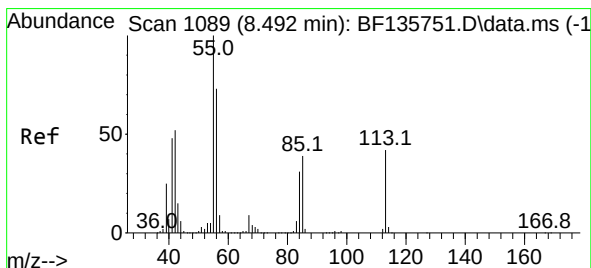
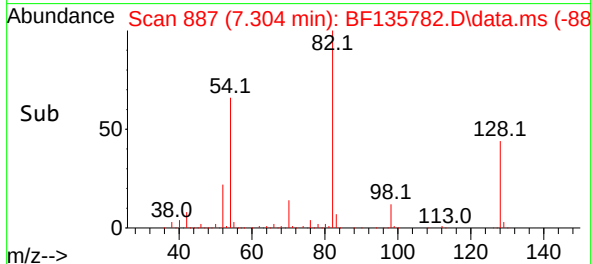
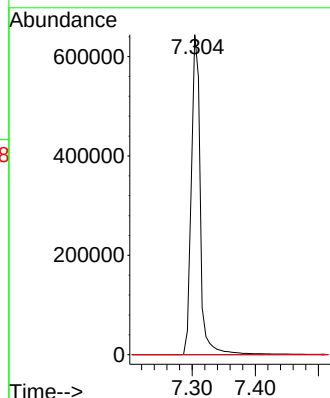
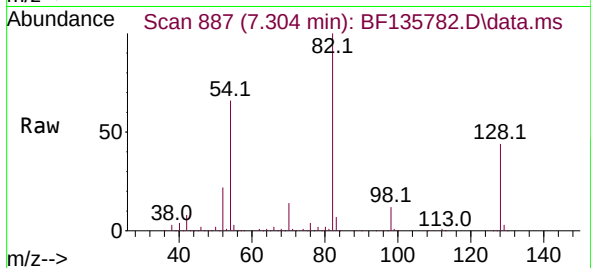




#25
Isophorone
Concen: 48.765 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

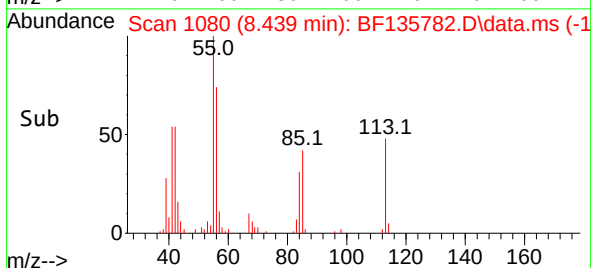
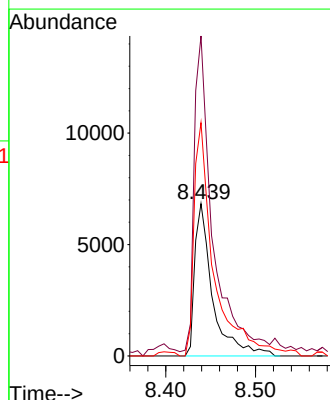
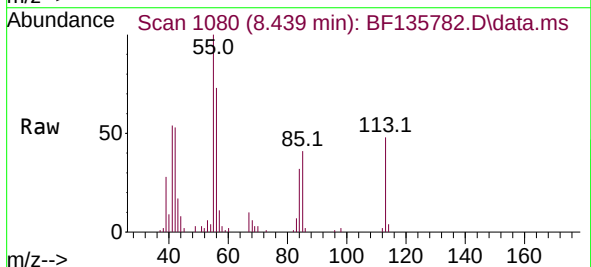
Instrument :
BNA_F
ClientSampleId :
MW-101S

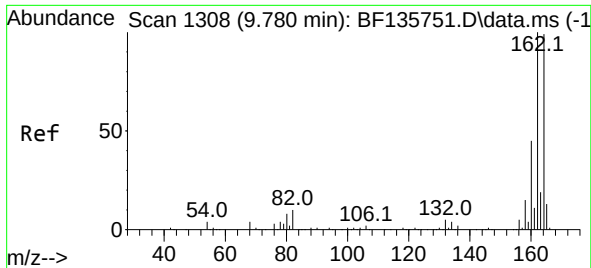
Tgt Ion: 82 Resp: 640191
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#35
Caprolactam
Concen: 5.275 ng
RT: 8.439 min Scan# 1080
Delta R.T. -0.059 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 113 Resp: 9482
Ion Ratio Lower Upper
113 100
55 210.1 217.4 257.4#
56 153.1 153.1 193.1

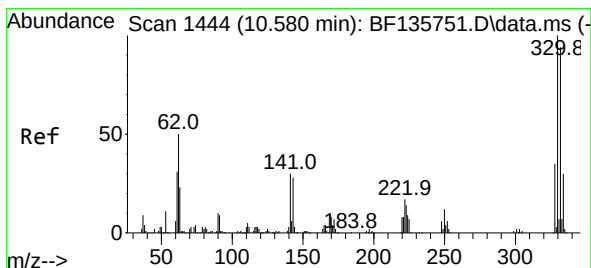
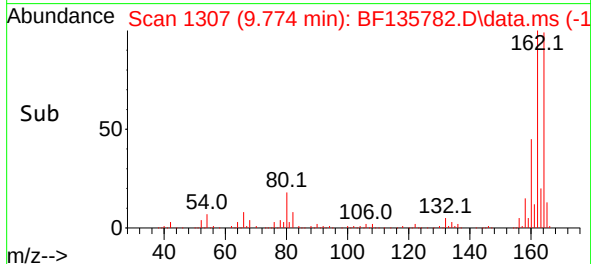
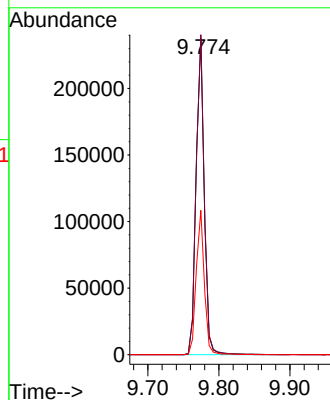
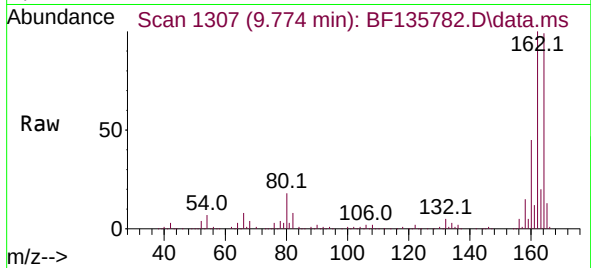




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

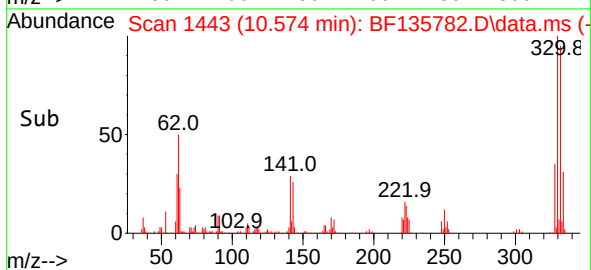
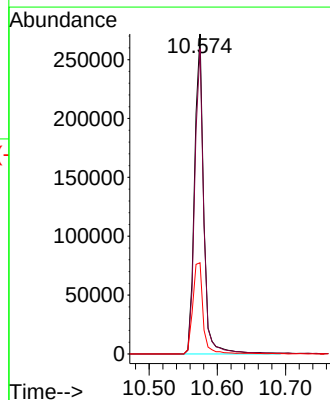
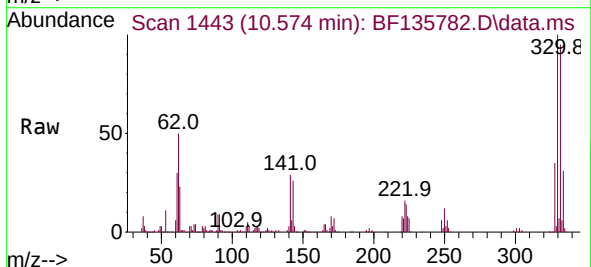
Instrument :
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ClientSampleId :
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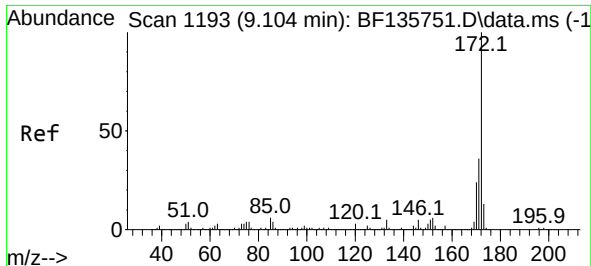
Tgt Ion:164 Resp: 190148
Ion Ratio Lower Upper
164 100
162 101.2 80.8 121.2
160 45.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 139.270 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Tgt Ion:330 Resp: 254115
Ion Ratio Lower Upper
330 100
332 94.6 75.0 112.4
141 32.3 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 89.921 ng

RT: 9.098 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF135782.D

Acq: 16 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

MW-101S

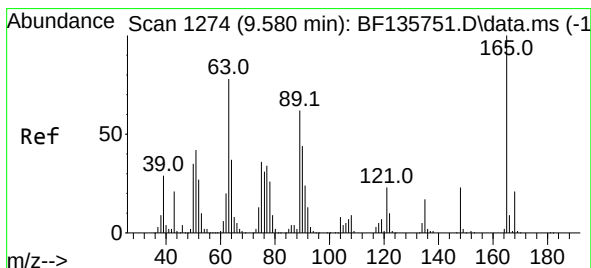
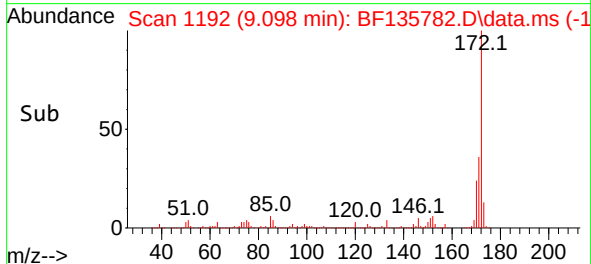
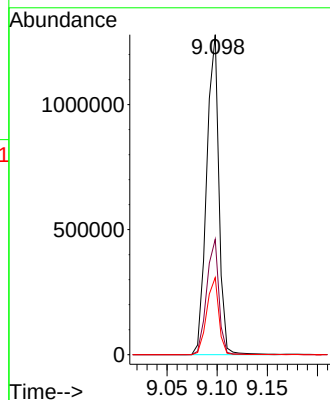
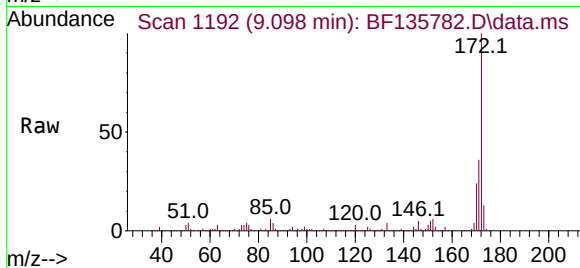
Tgt Ion:172 Resp: 1093582

Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 24.1 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.875 ng

RT: 9.774 min Scan# 1307

Delta R.T. 0.188 min

Lab File: BF135782.D

Acq: 16 Oct 2023 18:14

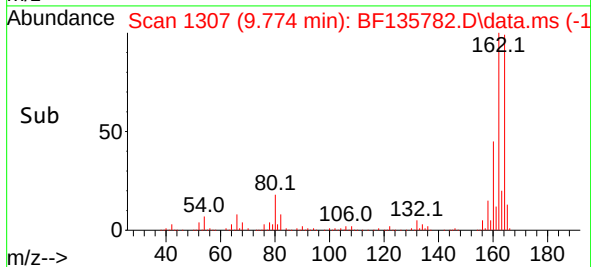
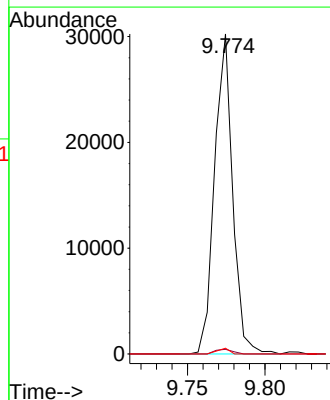
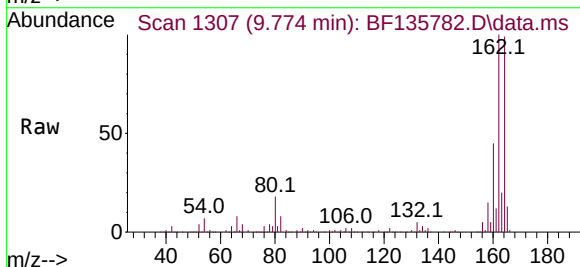
Tgt Ion:165 Resp: 24498

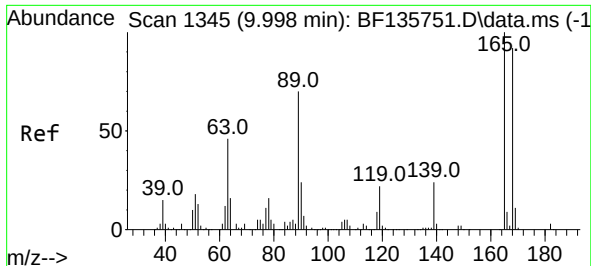
Ion Ratio Lower Upper

165 100

63 1.4 62.2 93.4#

89 1.8 49.6 74.4#





#57

2,4-Dinitrotoluene

Concen: 6.976 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.230 min

Lab File: BF135782.D

Acq: 16 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

MW-101S

Tgt Ion:165 Resp: 24498

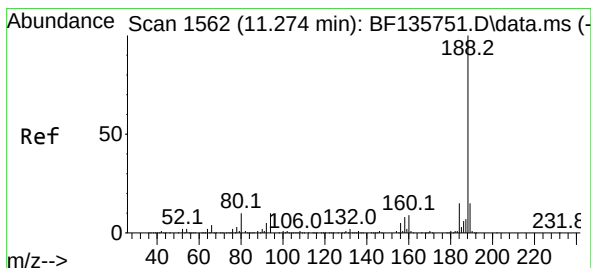
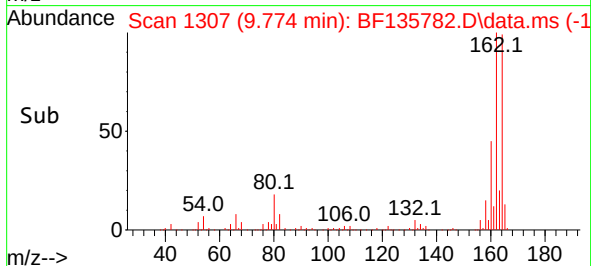
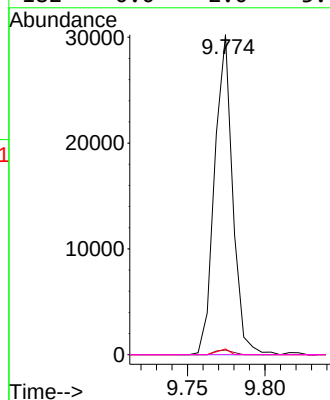
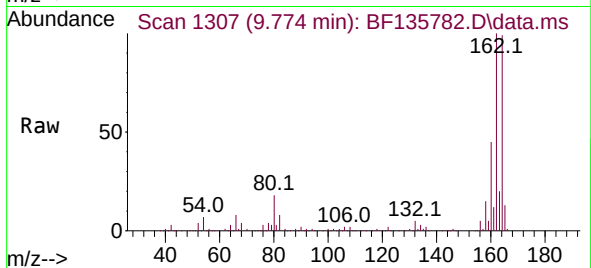
Ion Ratio Lower Upper

165 100

63 1.4 39.0 58.4#

89 1.8 55.9 83.9#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BF135782.D

Acq: 16 Oct 2023 18:14

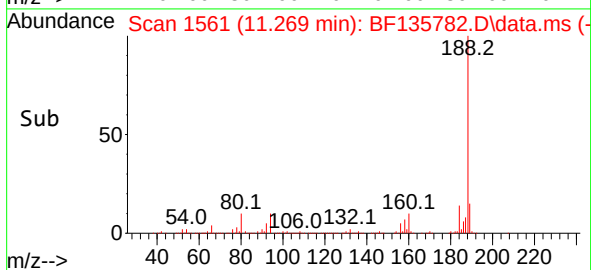
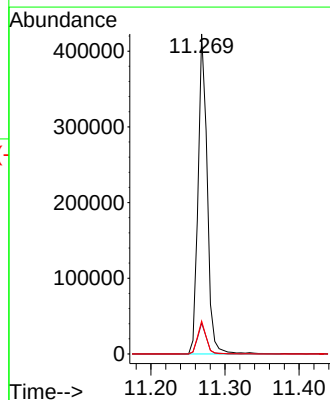
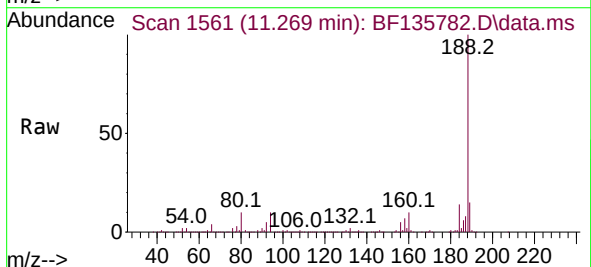
Tgt Ion:188 Resp: 360245

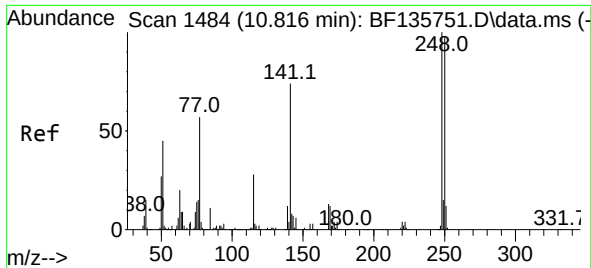
Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

80 10.3 8.3 12.5

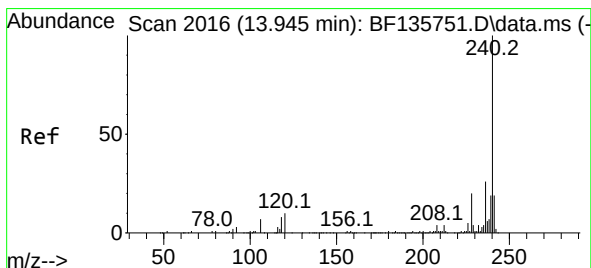
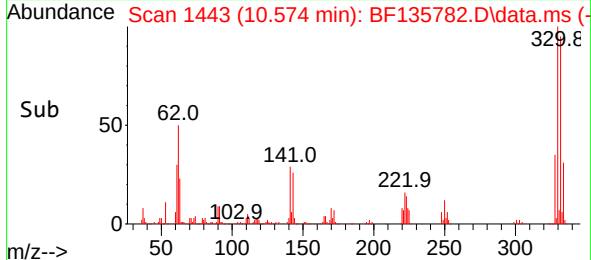
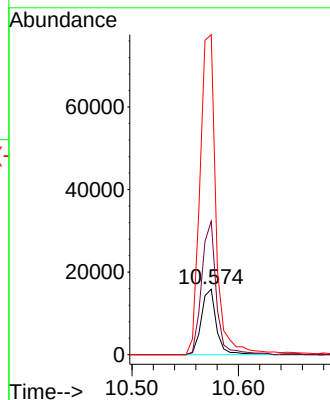
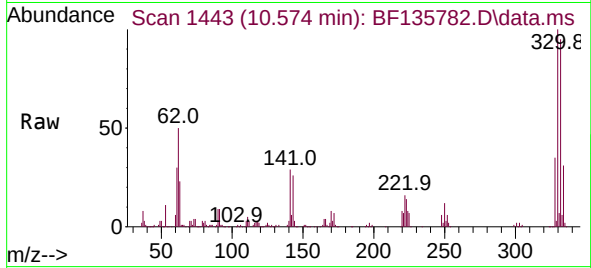




#67
4-Bromophenyl-phenylether
Concen: 4.350 ng
RT: 10.574 min Scan# 1484
Delta R.T. -0.247 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

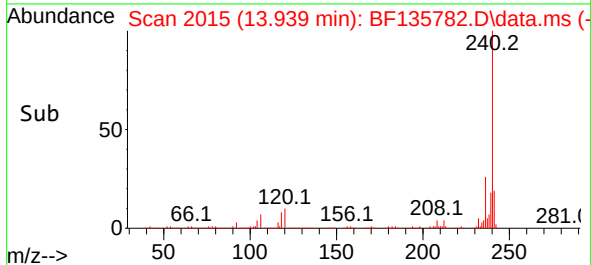
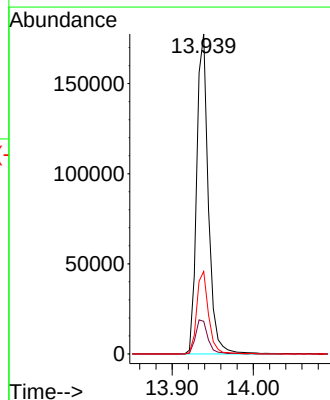
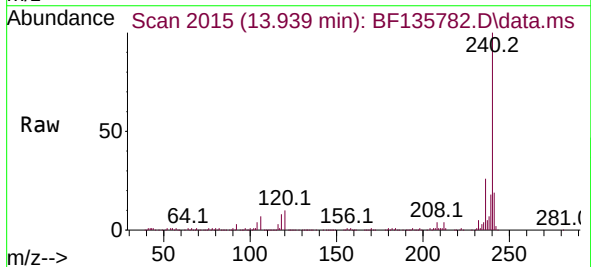
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BNA_F
ClientSampleId :
MW-101S

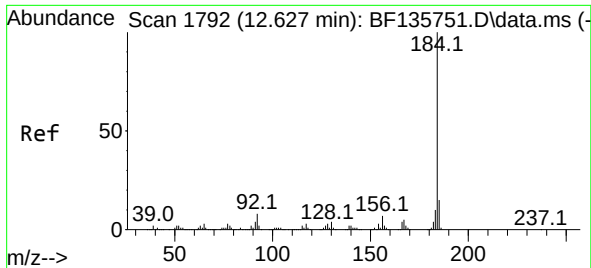
Tgt Ion:248 Resp: 15731
Ion Ratio Lower Upper
248 100
250 203.8 78.0 117.0#
141 488.8 59.0 88.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Tgt Ion:240 Resp: 178289
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.8 21.2 31.8

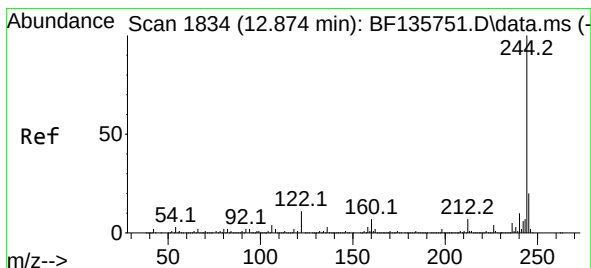
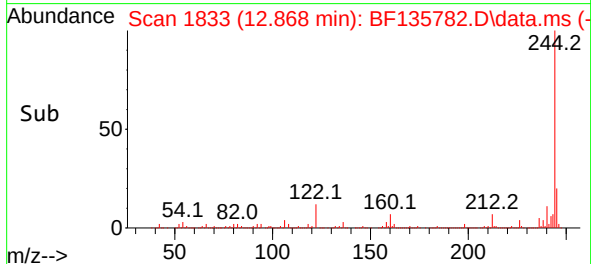
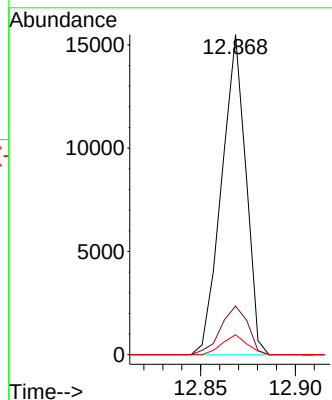
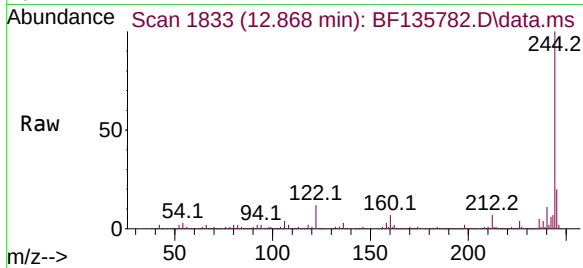




#77
Benzidine
Concen: 3.546 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.235 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

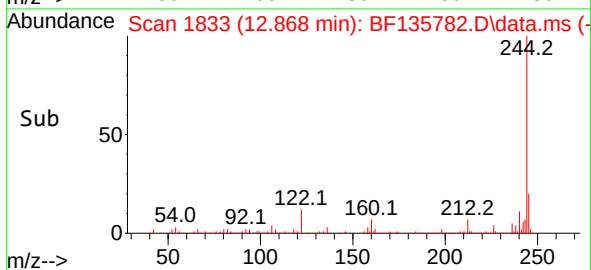
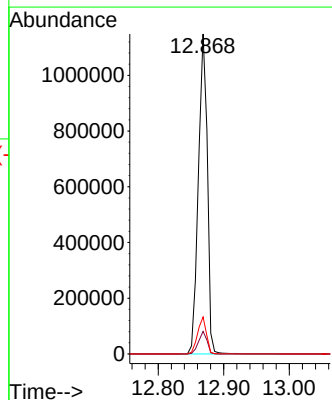
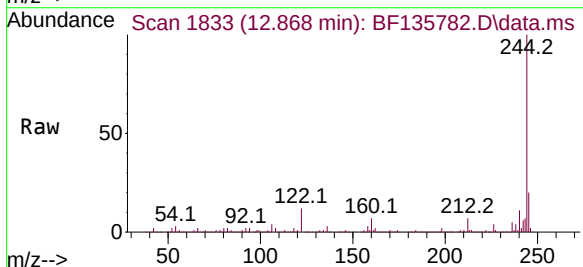
Instrument :
BNA_F
ClientSampleId :
MW-101S

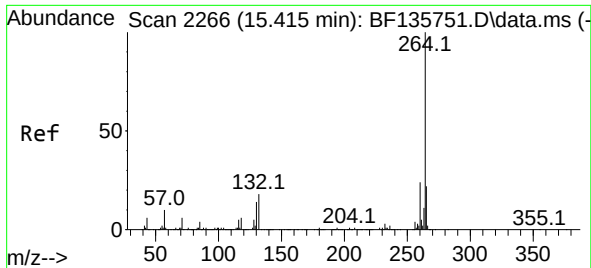
Tgt Ion:184 Resp: 13797
Ion Ratio Lower Upper
184 100
185 15.2 12.0 18.0
183 6.2 8.2 12.2#



#79
Terphenyl-d14
Concen: 113.735 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135782.D
Acq: 16 Oct 2023 18:14

Tgt Ion:244 Resp: 1094959
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.5 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF135782.D
 Acq: 16 Oct 2023 18:14

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Tgt Ion:264 Resp: 197893
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.1 17.4 26.2

