

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135785.D
 Acq On : 16 Oct 2023 19:49
 Operator : CG\JU
 Sample : 04656-23
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-107(20)

Quant Time: Oct 17 01:57:41 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)

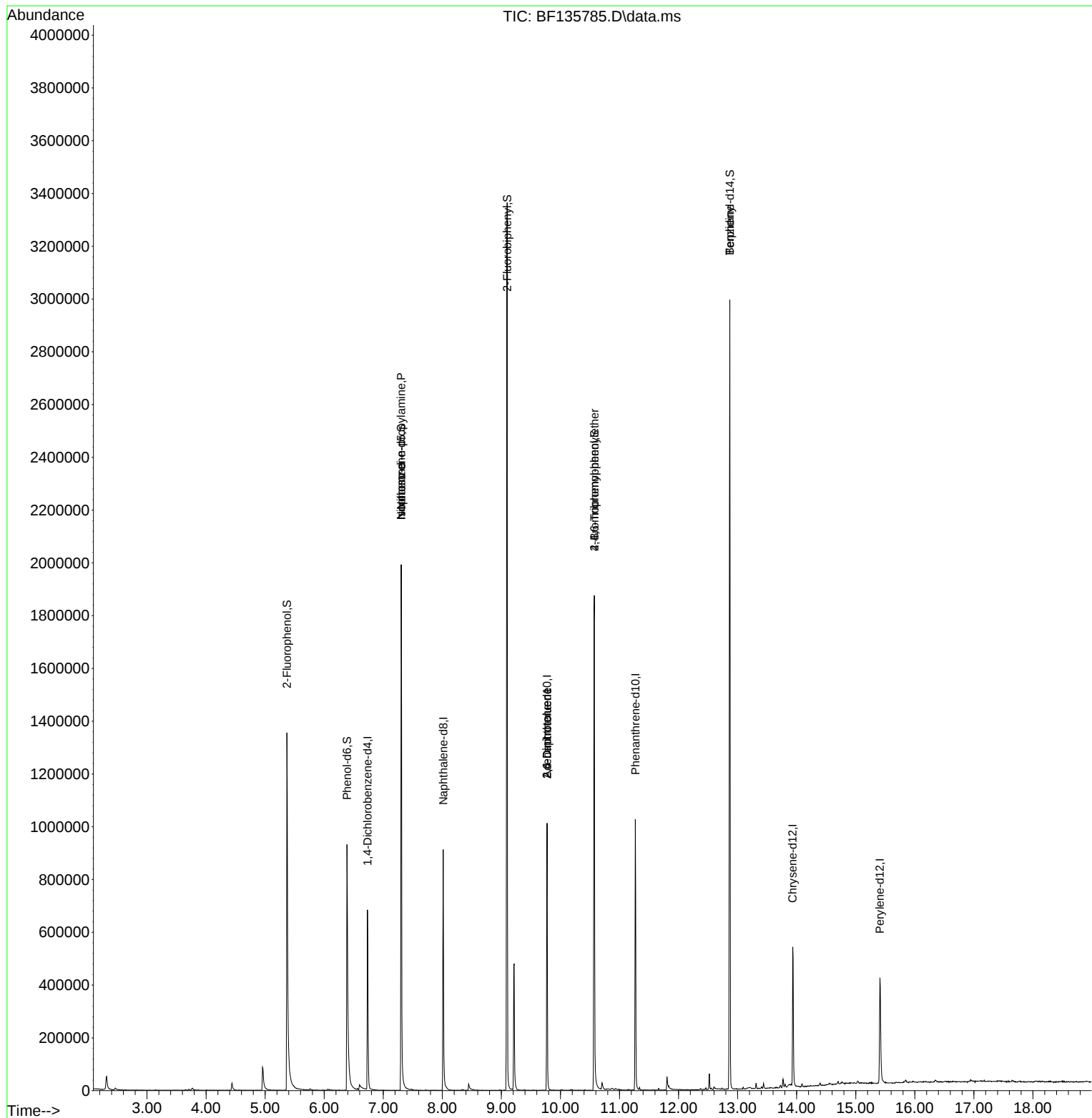
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	101825	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	397369	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	194279	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	387837	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	198474	20.000	ng	#-0.02
86) Perylene-d12	15.409	264	214224	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	475274	75.043	ng	0.00
7) Phenol-d6	6.387	99	403859	51.106	ng	-0.01
23) Nitrobenzene-d5	7.304	82	614294	85.023	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	241427	129.503	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1089821	87.706	ng	0.00
79) Terphenyl-d14	12.868	244	1051733	98.135	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	80904	16.558	ng	# 77
25) Isophorone	7.304	82	614290	45.067	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	24718	8.764	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	24718	6.889	ng	# 23
67) 4-Bromophenyl-phenylether	10.574	248	14404	3.700	ng	# 1
77) Benzidine	12.868	184	12814	2.959	ng	# 97

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

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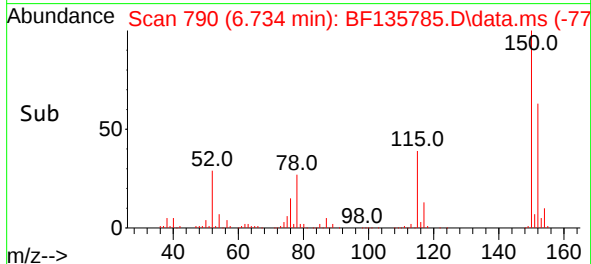
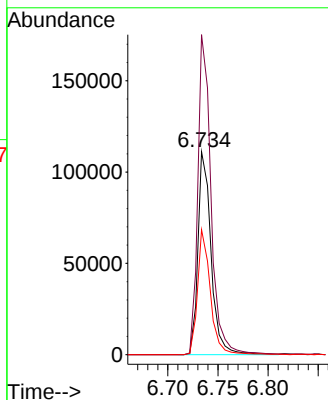
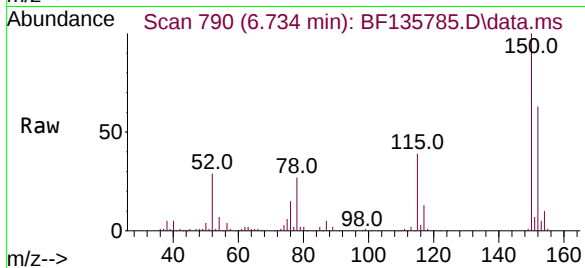




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135785.D
Acq: 16 Oct 2023 19:49

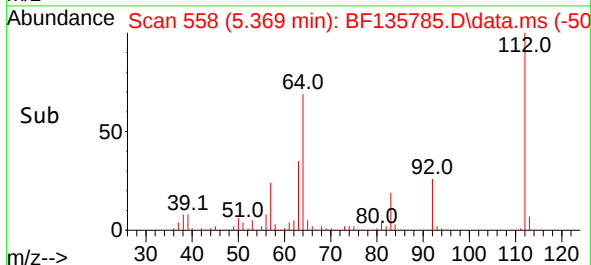
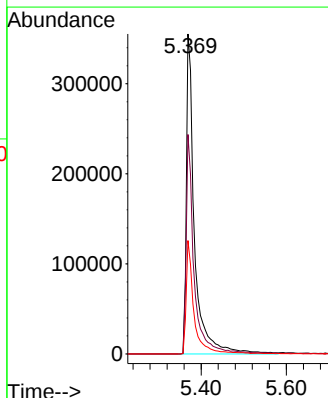
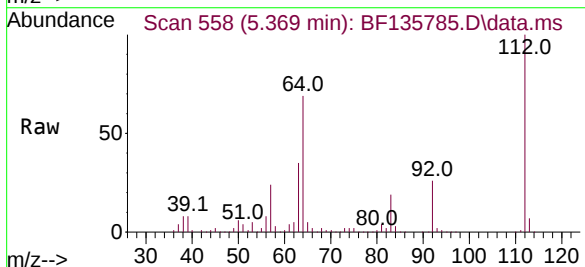
Instrument :
BNA_F
ClientSampleId :
MW-107(20)

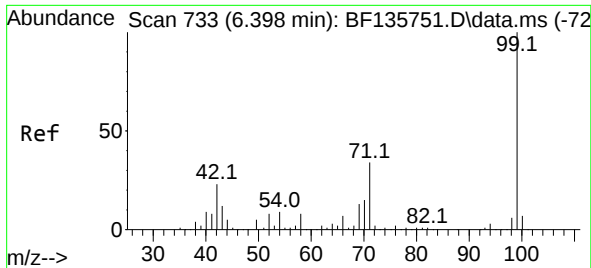
Tgt Ion:152 Resp: 101825
Ion Ratio Lower Upper
152 100
150 157.8 124.5 186.7
115 61.6 49.0 73.4



#5
2-Fluorophenol
Concen: 75.043 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135785.D
Acq: 16 Oct 2023 19:49

Tgt Ion:112 Resp: 475274
Ion Ratio Lower Upper
112 100
64 68.6 51.2 76.8
63 35.5 26.1 39.1

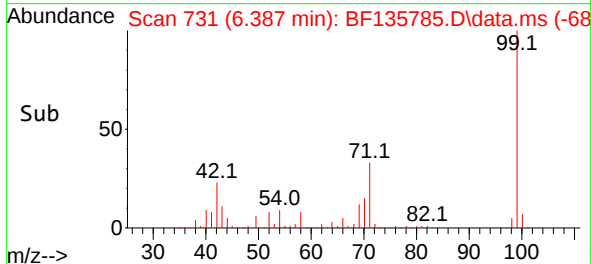
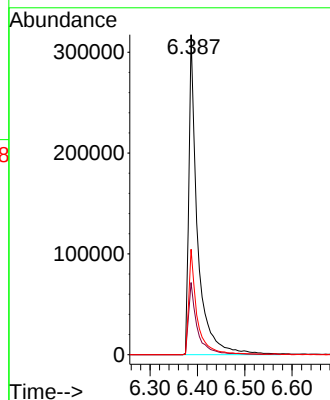
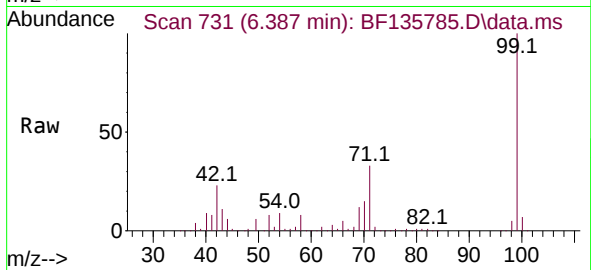




#7
Phenol-d6
Concen: 51.106 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135785.D
Acq: 16 Oct 2023 19:49

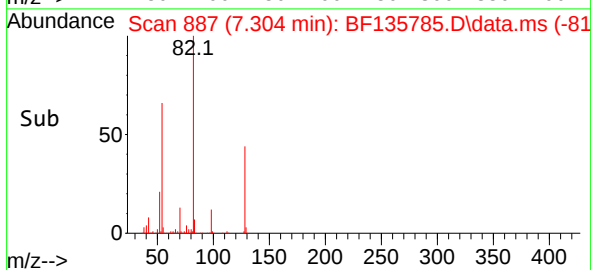
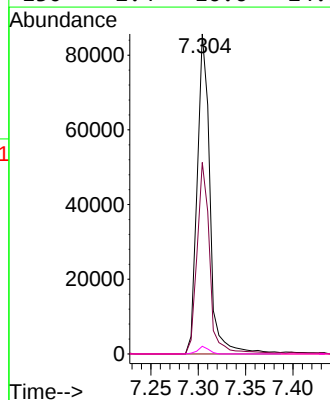
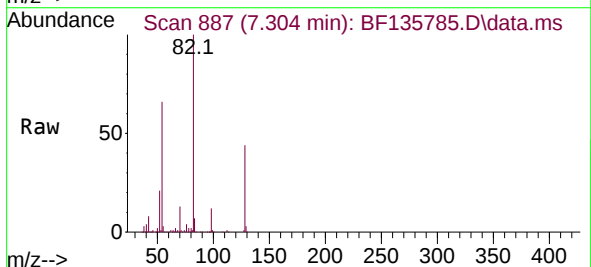
Instrument :
BNA_F
ClientSampleId :
MW-107(20)

Tgt Ion: 99 Resp: 403859
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 33.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.558 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135785.D
Acq: 16 Oct 2023 19:49

Tgt Ion: 70 Resp: 80904
Ion Ratio Lower Upper
70 100
42 59.8 59.8 89.6
101 0.0 7.4 11.2#
130 2.4 16.6 24.8#

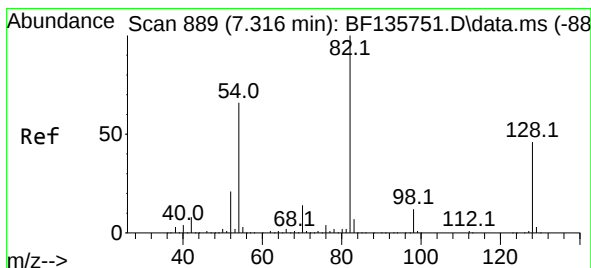
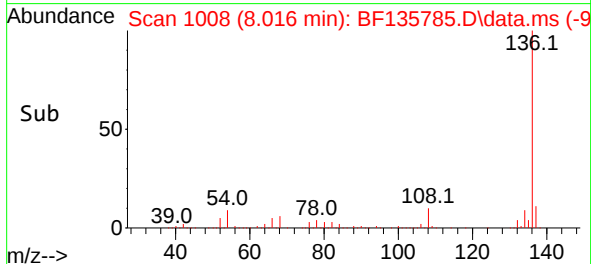
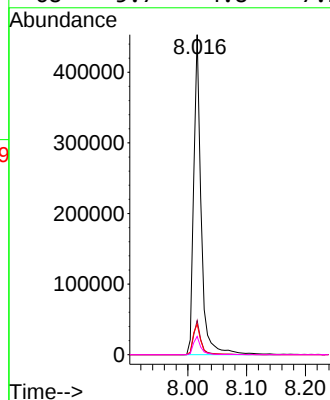
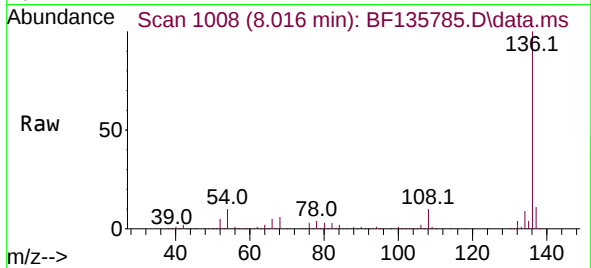




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135785.D
Acq: 16 Oct 2023 19:49

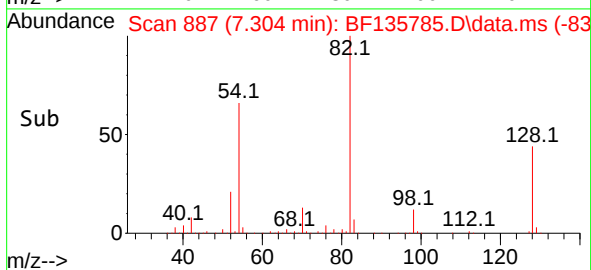
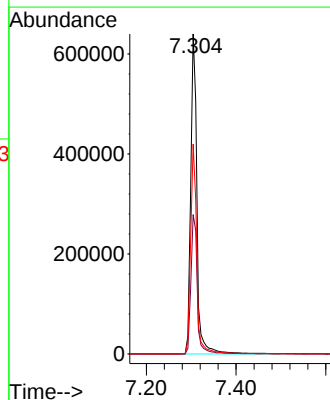
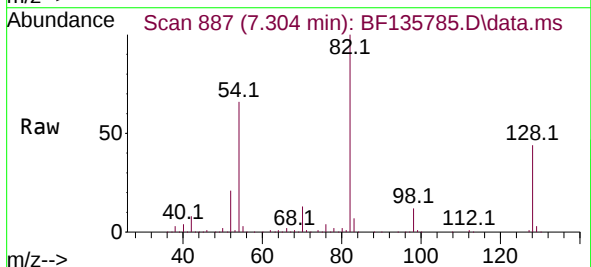
Instrument :
BNA_F
ClientSampleId :
MW-107(20)

Tgt Ion:136 Resp: 397369
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.5 8.5 12.7
68 5.7 4.8 7.2



#23
Nitrobenzene-d5
Concen: 85.023 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135785.D
Acq: 16 Oct 2023 19:49

Tgt Ion: 82 Resp: 614294
Ion Ratio Lower Upper
82 100
128 43.5 37.0 55.6
54 65.5 52.8 79.2

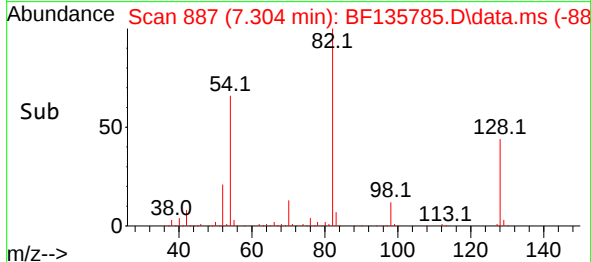
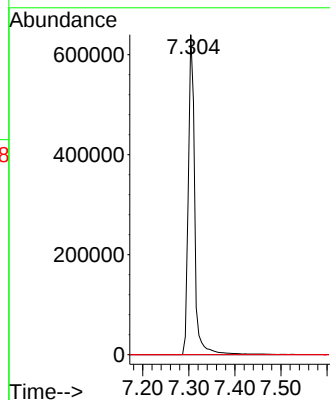
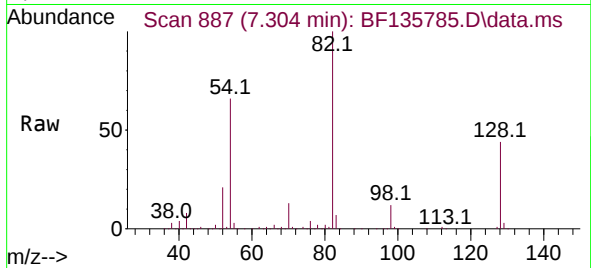




#25
Isophorone
Concen: 45.067 ng
RT: 7.304 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF135785.D
Acq: 16 Oct 2023 19:49

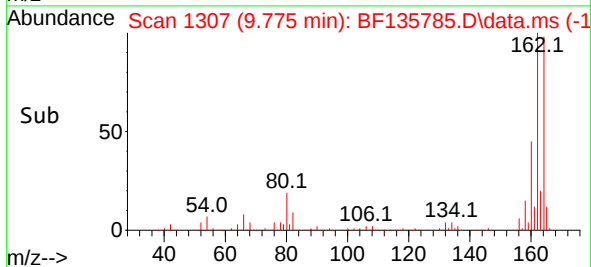
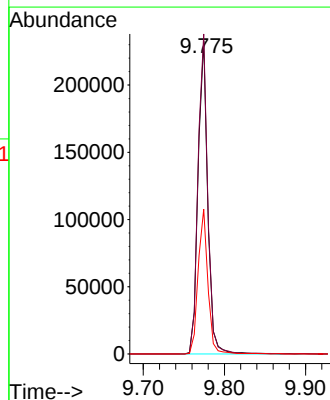
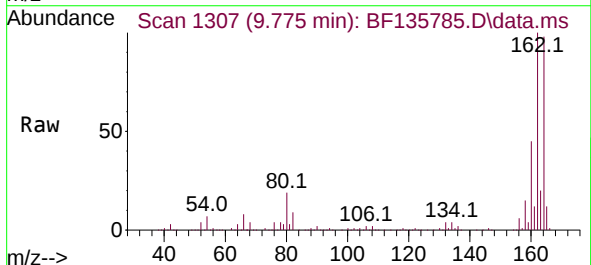
Instrument :
BNA_F
ClientSampleId :
MW-107(20)

Tgt Ion: 82 Resp: 614290
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: BF135785.D
Acq: 16 Oct 2023 19:49

Tgt Ion:164 Resp: 194279
Ion Ratio Lower Upper
164 100
162 102.2 80.8 121.2
160 46.2 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 129.503 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135785.D

Acq: 16 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

MW-107(20)

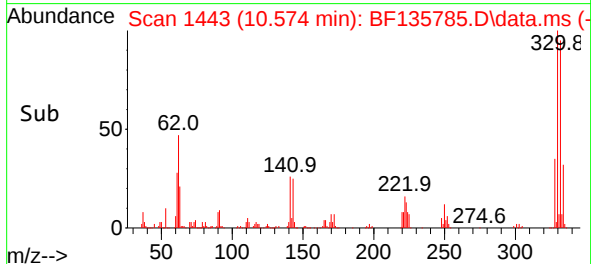
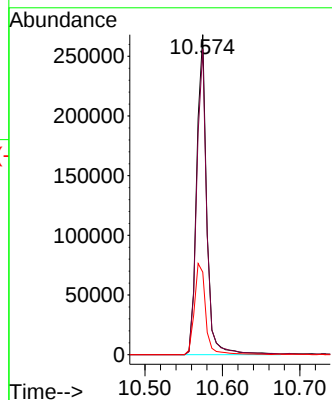
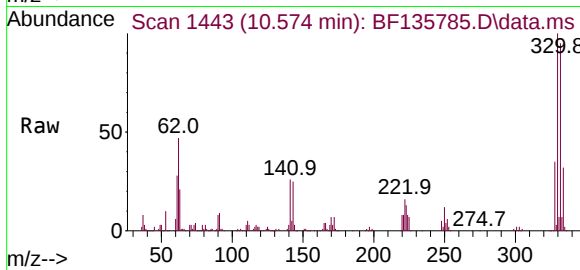
Tgt Ion:330 Resp: 241427

Ion Ratio Lower Upper

330 100

332 95.9 75.0 112.4

141 32.0 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 87.706 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135785.D

Acq: 16 Oct 2023 19:49

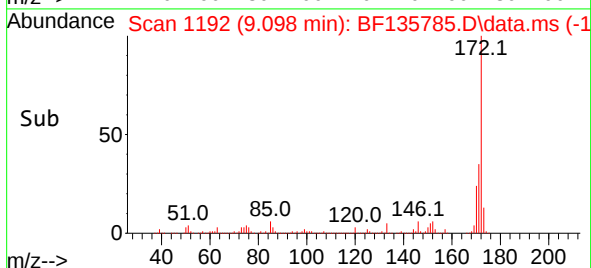
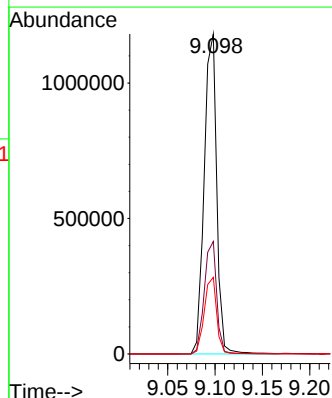
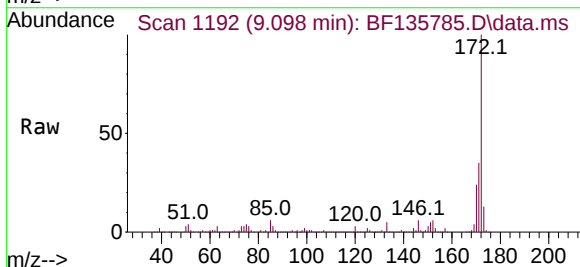
Tgt Ion:172 Resp: 1089821

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 24.0 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.764 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135785.D

Acq: 16 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

MW-107(20)

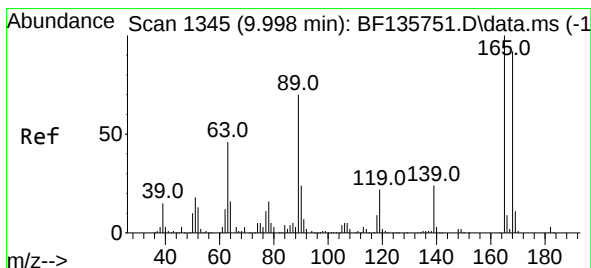
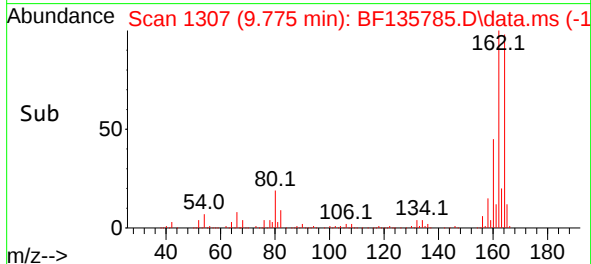
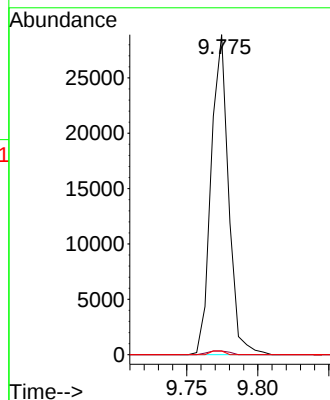
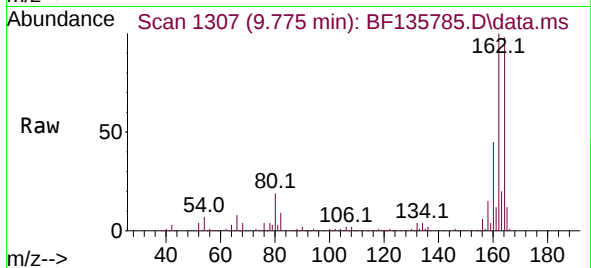
Tgt Ion:165 Resp: 24718

Ion Ratio Lower Upper

165 100

63 1.1 62.2 93.4#

89 1.2 49.6 74.4#



#57

2,4-Dinitrotoluene

Concen: 6.889 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.230 min

Lab File: BF135785.D

Acq: 16 Oct 2023 19:49

Tgt Ion:165 Resp: 24718

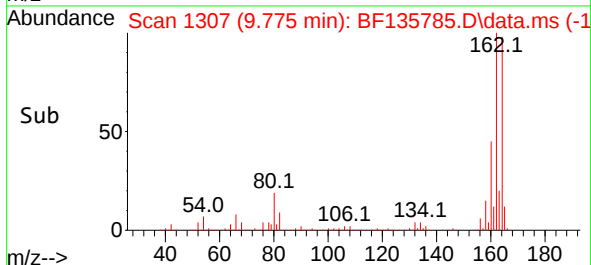
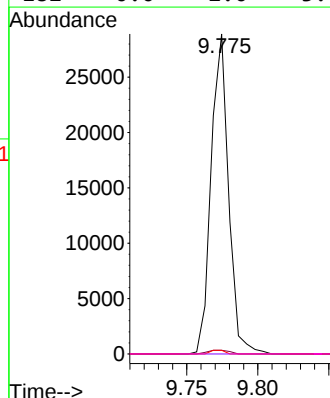
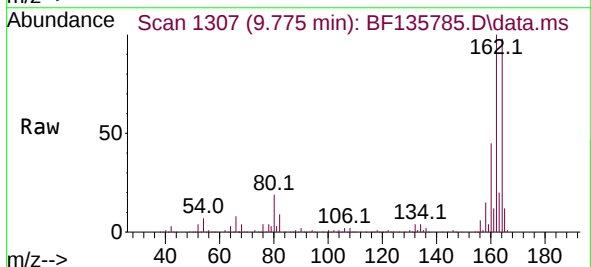
Ion Ratio Lower Upper

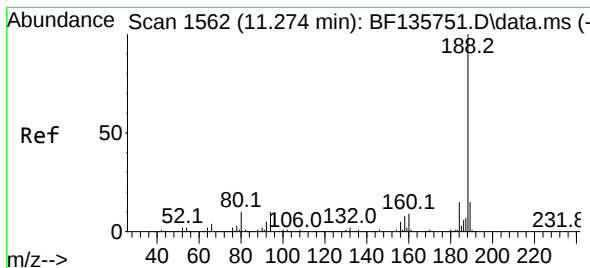
165 100

63 1.1 39.0 58.4#

89 1.2 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: BF135785.D

Acq: 16 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

MW-107(20)

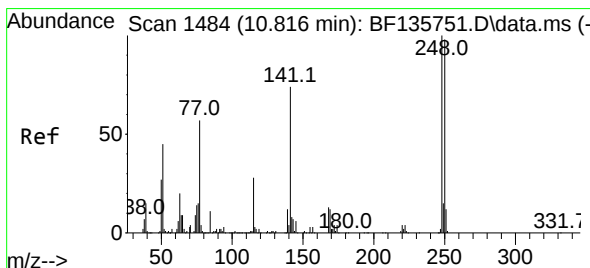
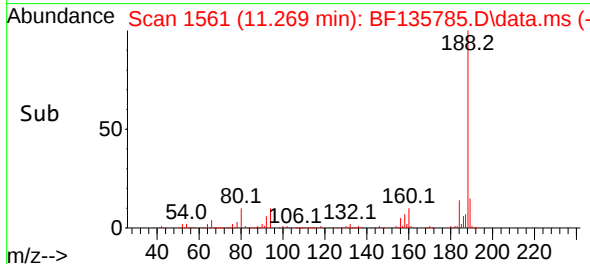
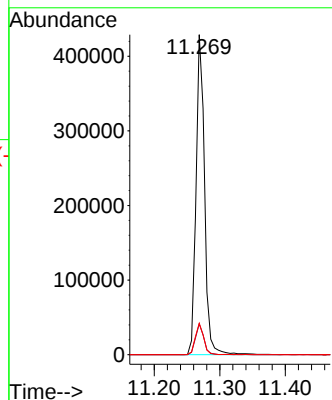
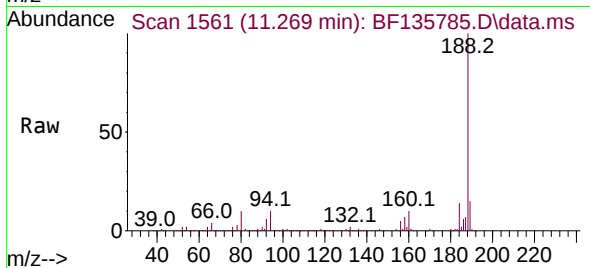
Tgt Ion:188 Resp: 387837

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

80 9.8 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.700 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135785.D

Acq: 16 Oct 2023 19:49

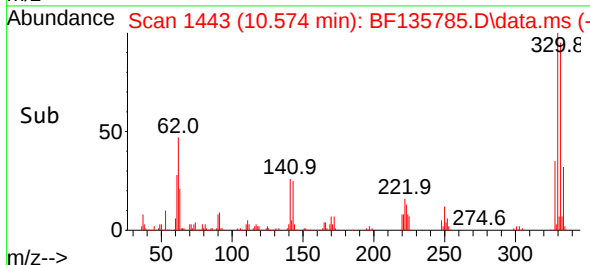
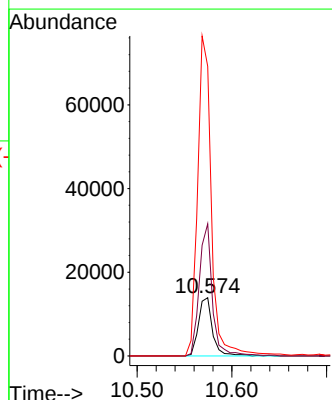
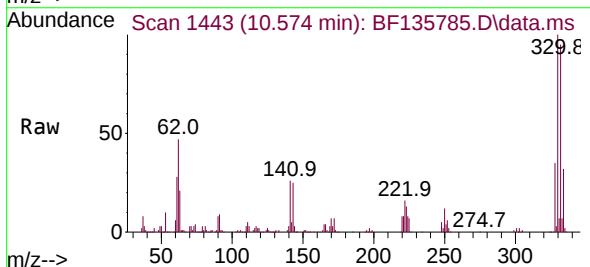
Tgt Ion:248 Resp: 14404

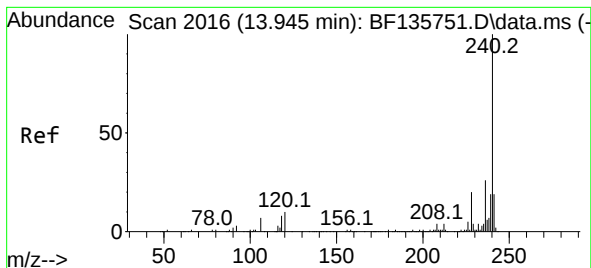
Ion Ratio Lower Upper

248 100

250 227.1 78.0 117.0#

141 497.7 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF135785.D

Acq: 16 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

MW-107(20)

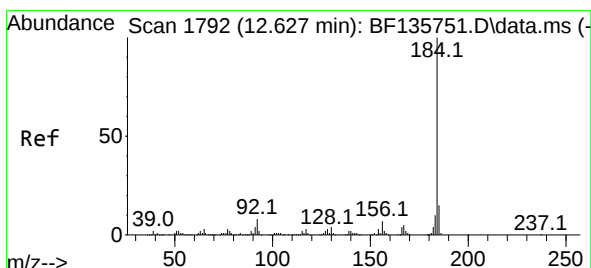
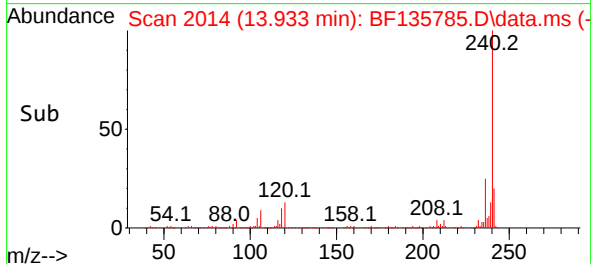
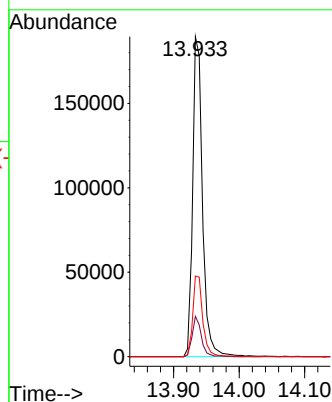
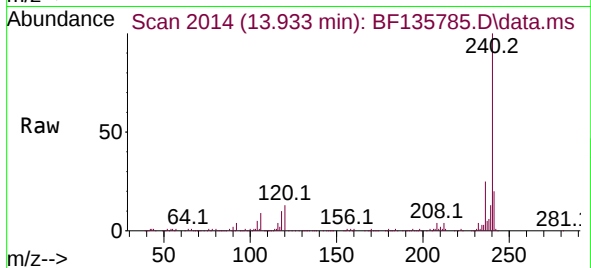
Tgt Ion:240 Resp: 198474

Ion Ratio Lower Upper

240 100

120 12.6 8.2 12.2#

236 25.2 21.2 31.8



#77

Benzidine

Concen: 2.959 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135785.D

Acq: 16 Oct 2023 19:49

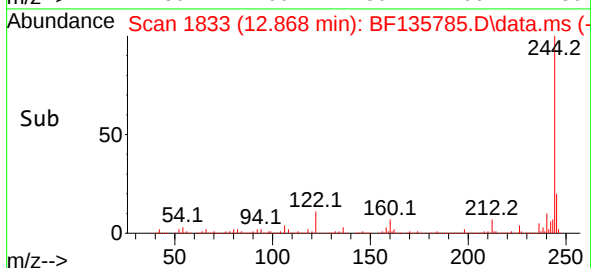
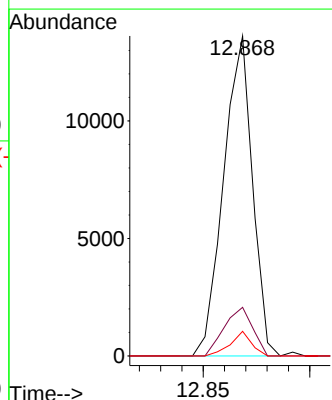
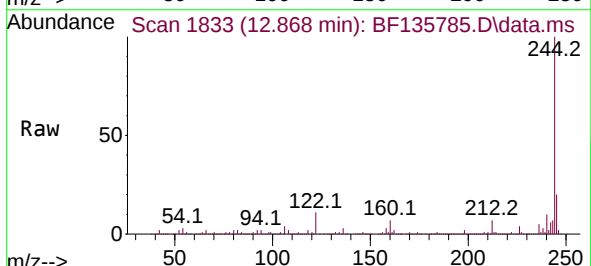
Tgt Ion:184 Resp: 12814

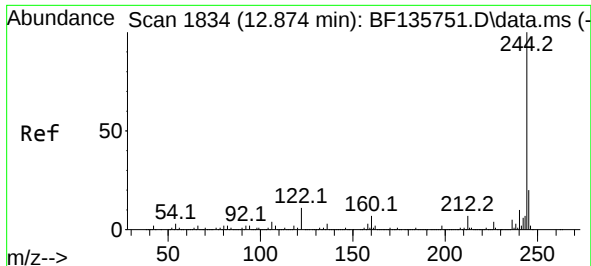
Ion Ratio Lower Upper

184 100

185 15.2 12.0 18.0

183 7.7 8.2 12.2#

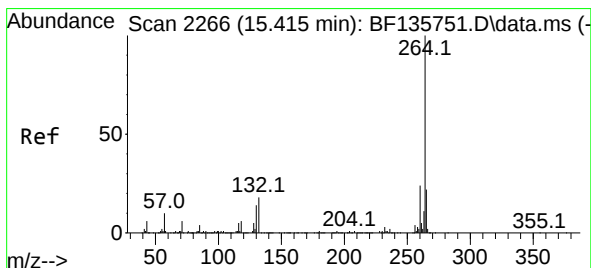
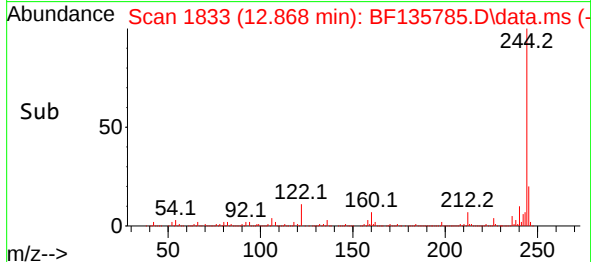
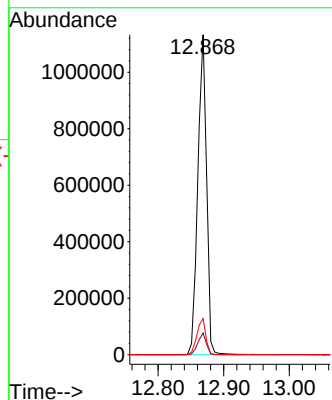
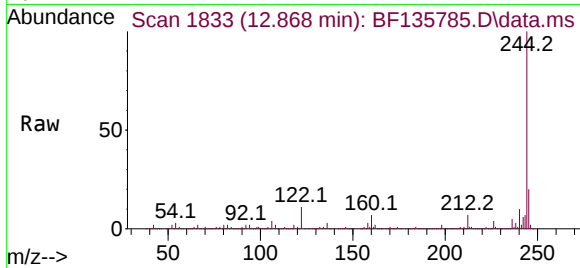




#79
 Terphenyl-d14
 Concen: 98.135 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135785.D
 Acq: 16 Oct 2023 19:49

Instrument :
 BNA_F
 ClientSampleId :
 MW-107(20)

Tgt Ion:244 Resp: 1051733
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.3 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: BF135785.D
 Acq: 16 Oct 2023 19:49

Tgt Ion:264 Resp: 214224
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.3 17.4 26.2

