

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135813.D
 Acq On : 17 Oct 2023 15:40
 Operator : CG\JU
 Sample : 04723-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-7

Quant Time: Oct 18 01:38:21 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)

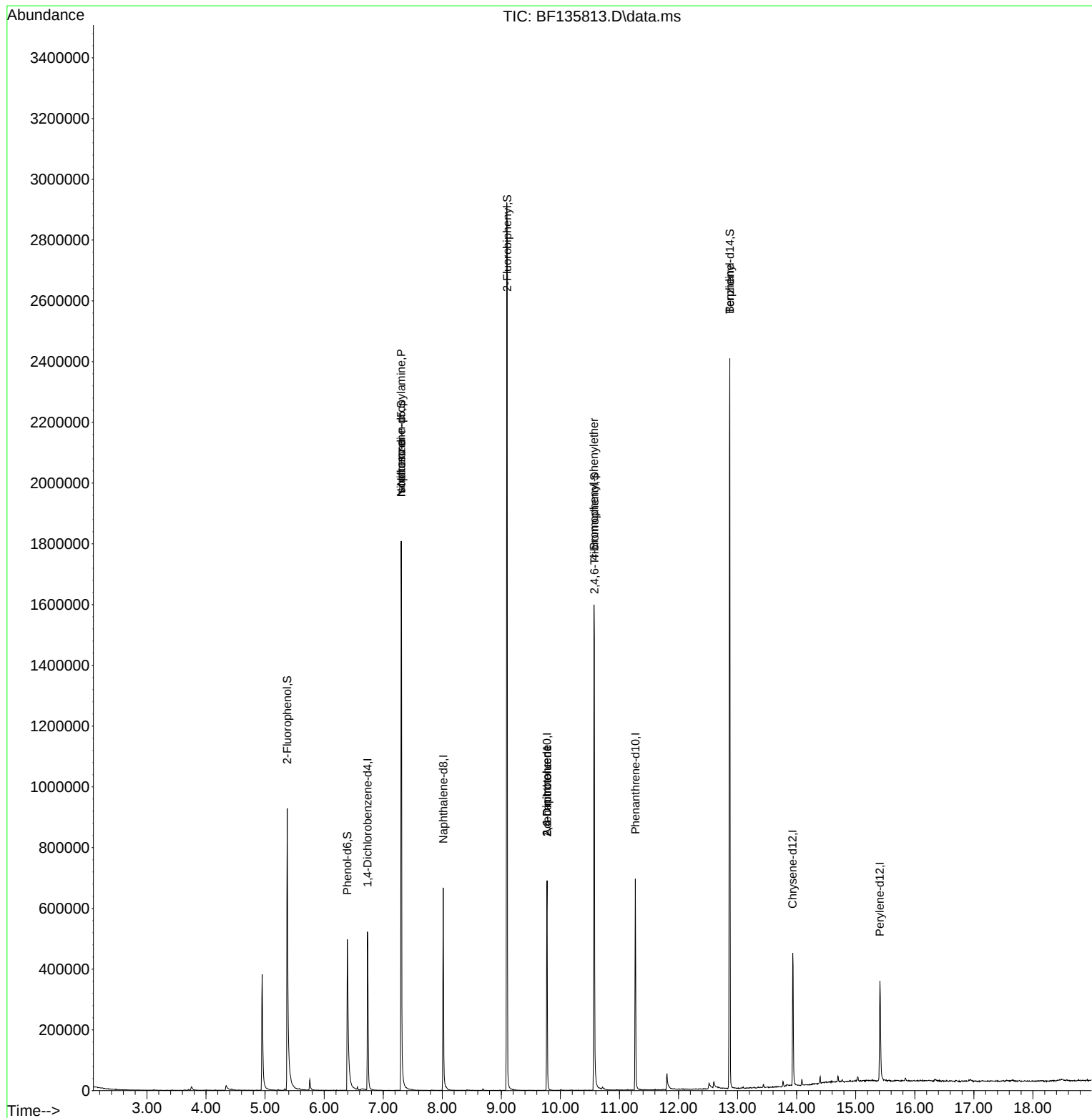
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	85140	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	296801	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	139798	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	257500	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	164264	20.000	ng	-0.02
86) Perylene-d12	15.410	264	160423	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	347713	65.661	ng	0.00
7) Phenol-d6	6.393	99	250383	37.894	ng	0.00
23) Nitrobenzene-d5	7.304	82	567397	105.142	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	207693	154.824	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	947736	105.995	ng	0.00
79) Terphenyl-d14	12.869	244	871808	98.288	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	74487	18.232	ng	# 78
25) Isophorone	7.304	82	567397	55.732	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	17883	8.812	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	17883	6.926	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	12930	5.002	ng	# 1
77) Benzidine	12.869	184	10701	2.985	ng	# 95

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

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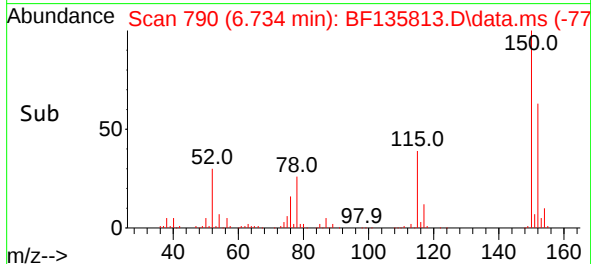
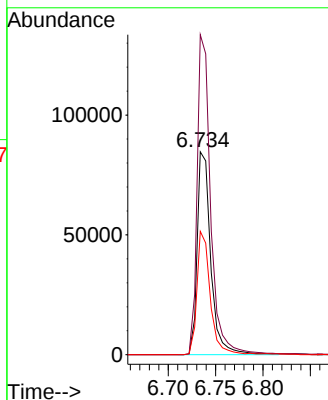
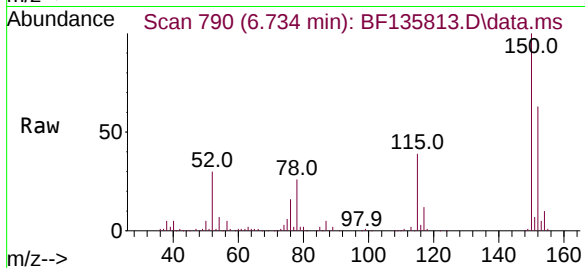




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135813.D
 Acq: 17 Oct 2023 15:40

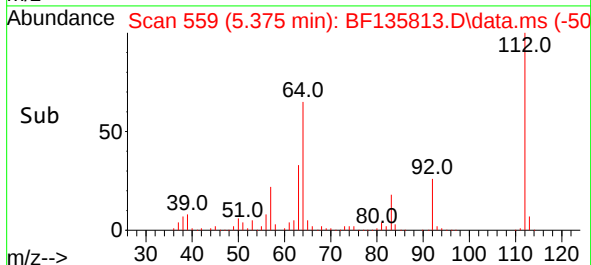
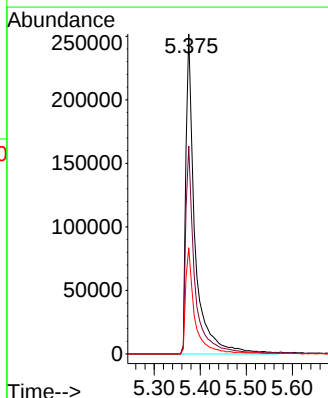
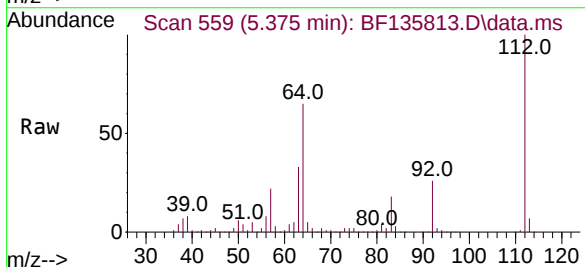
Instrument :
 BNA_F
 ClientSampleId :
 MW-7

Tgt Ion:152 Resp: 85140
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.5 186.7
 115 60.8 49.0 73.4



#5
 2-Fluorophenol
 Concen: 65.661 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135813.D
 Acq: 17 Oct 2023 15:40

Tgt Ion:112 Resp: 347713
 Ion Ratio Lower Upper
 112 100
 64 65.0 51.2 76.8
 63 33.2 26.1 39.1

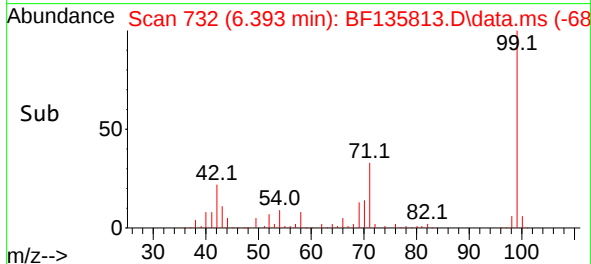
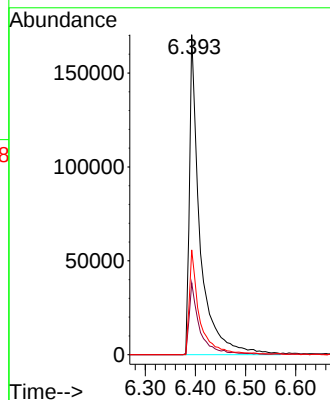
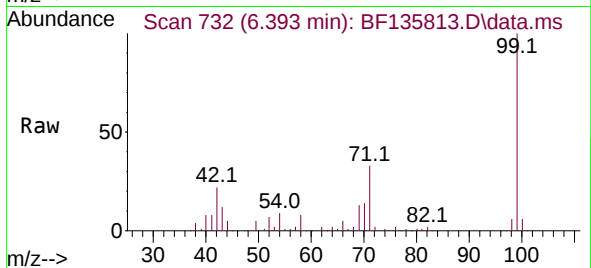




#7
Phenol-d6
Concen: 37.894 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135813.D
Acq: 17 Oct 2023 15:40

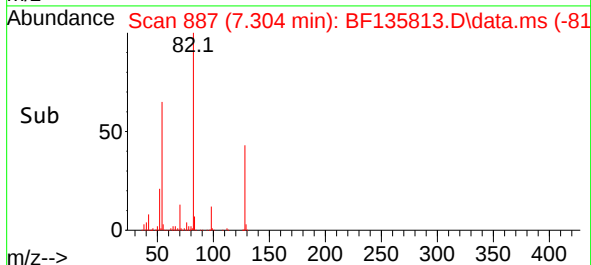
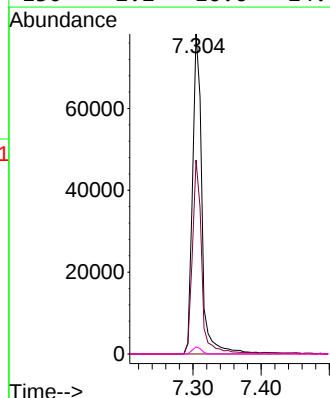
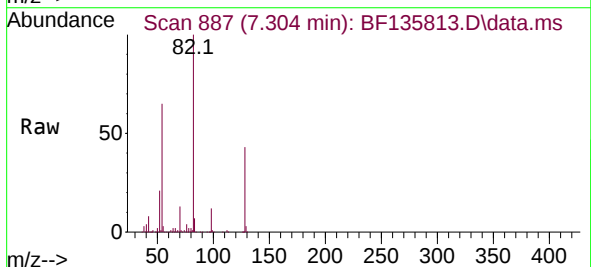
Instrument :
BNA_F
ClientSampleId :
MW-7

Tgt Ion: 99 Resp: 250383
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 32.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.232 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135813.D
Acq: 17 Oct 2023 15:40

Tgt Ion: 70 Resp: 74487
Ion Ratio Lower Upper
70 100
42 60.6 59.8 89.6
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#



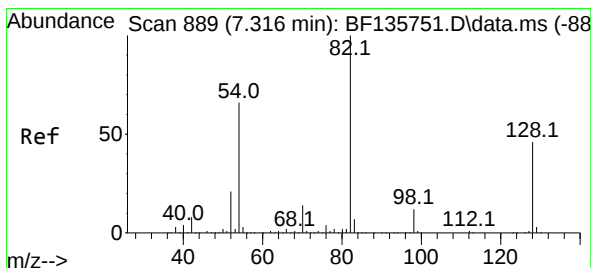
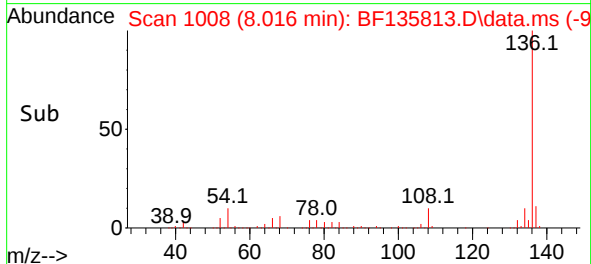
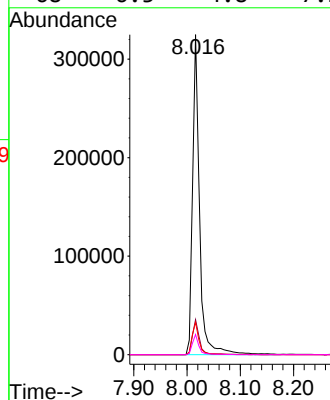
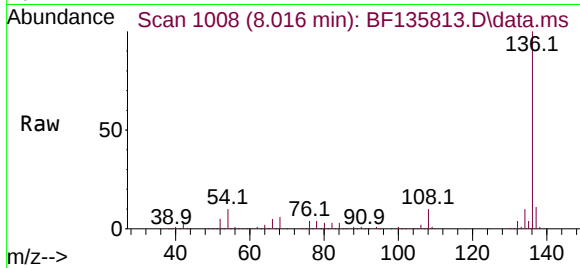


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF135813.D
Acq: 17 Oct 2023 15:40

Instrument :
BNA_F
ClientSampleId :
MW-7

Tgt Ion:136 Resp: 296801

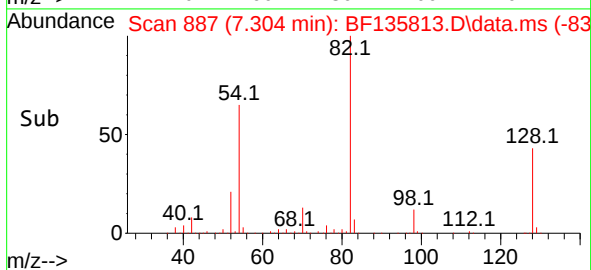
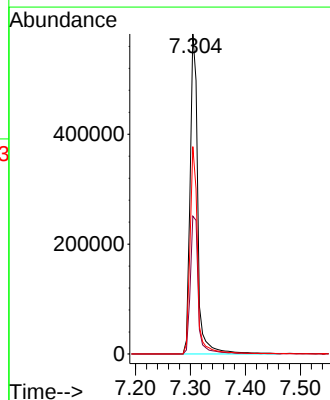
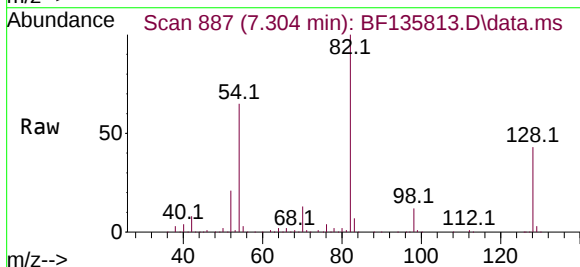
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.1	8.5	12.7
68	6.3	4.8	7.2



#23
Nitrobenzene-d5
Concen: 105.142 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135813.D
Acq: 17 Oct 2023 15:40

Tgt Ion: 82 Resp: 567397

Ion	Ratio	Lower	Upper
82	100		
128	43.0	37.0	55.6
54	64.8	52.8	79.2

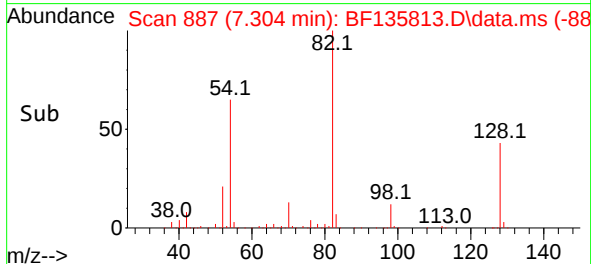
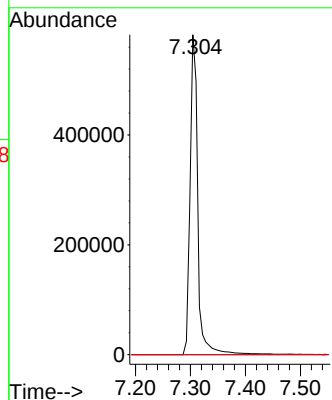
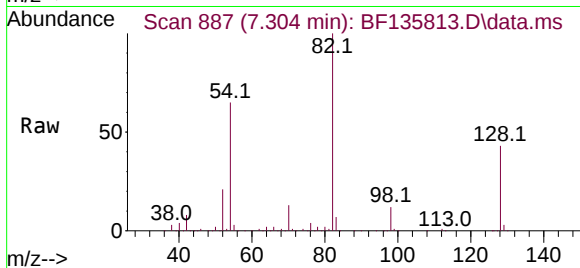




#25
Isophorone
Concen: 55.732 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135813.D
Acq: 17 Oct 2023 15:40

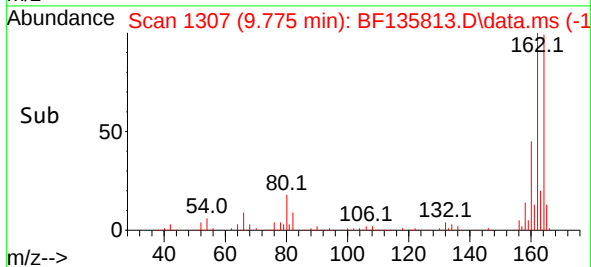
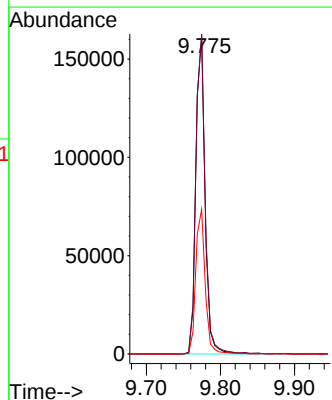
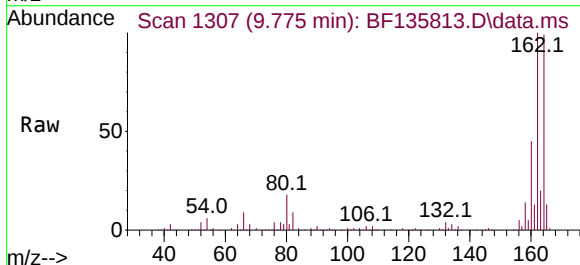
Instrument :
BNA_F
ClientSampleId :
MW-7

Tgt Ion: 82 Resp: 567397
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: BF135813.D
Acq: 17 Oct 2023 15:40

Tgt Ion:164 Resp: 139798
Ion Ratio Lower Upper
164 100
162 100.6 80.8 121.2
160 45.5 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 154.824 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135813.D

Acq: 17 Oct 2023 15:40

Instrument :

BNA_F

ClientSampleId :

MW-7

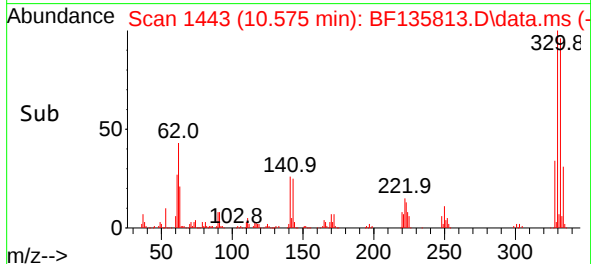
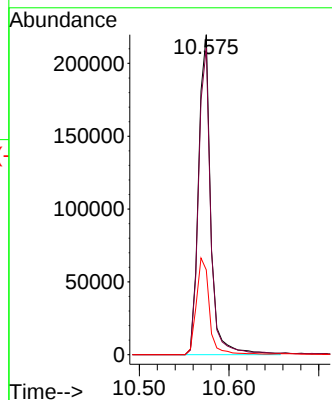
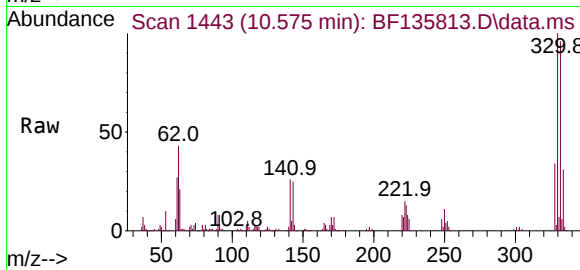
Tgt Ion:330 Resp: 207693

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.4

141 32.4 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 105.995 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135813.D

Acq: 17 Oct 2023 15:40

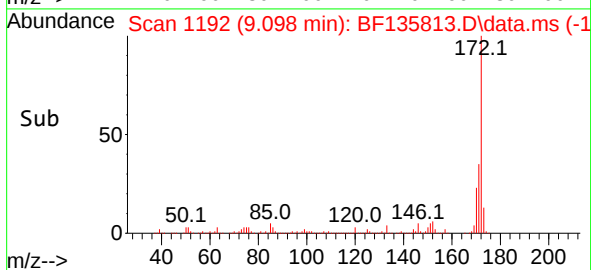
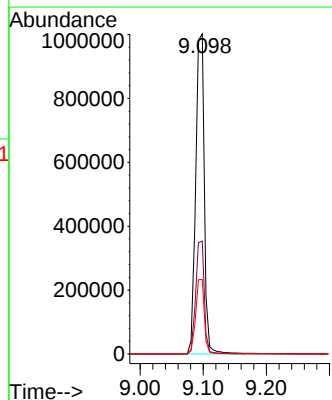
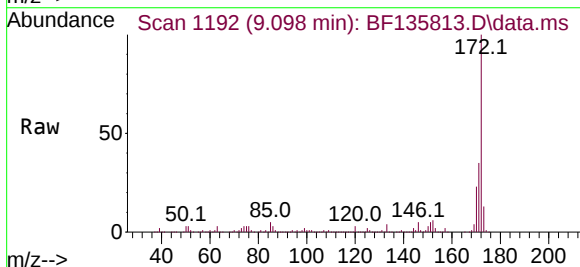
Tgt Ion:172 Resp: 947736

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.2 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.812 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135813.D

Acq: 17 Oct 2023 15:40

Instrument :

BNA_F

ClientSampleId :

MW-7

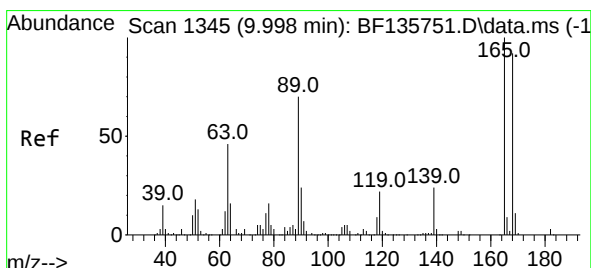
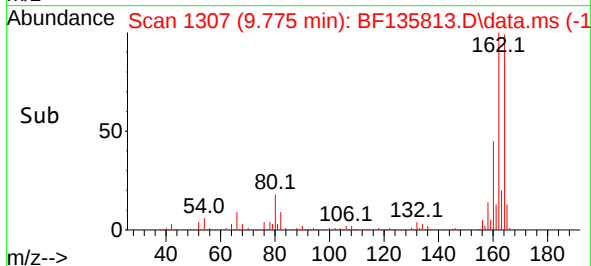
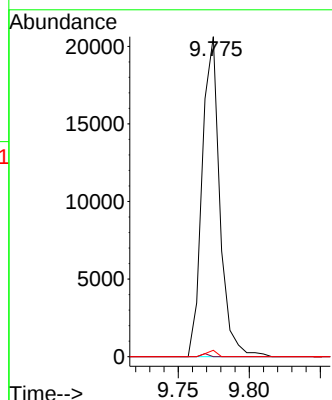
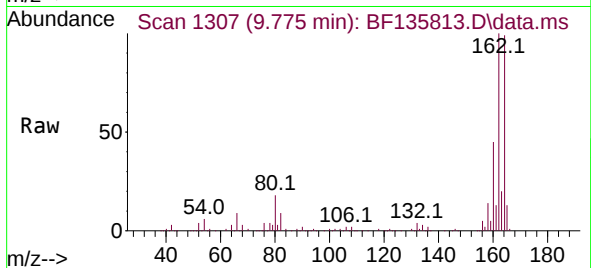
Tgt Ion:165 Resp: 17883

Ion Ratio Lower Upper

165 100

63 0.0 62.2 93.4#

89 2.0 49.6 74.4#



#57

2,4-Dinitrotoluene

Concen: 6.926 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.229 min

Lab File: BF135813.D

Acq: 17 Oct 2023 15:40

Tgt Ion:165 Resp: 17883

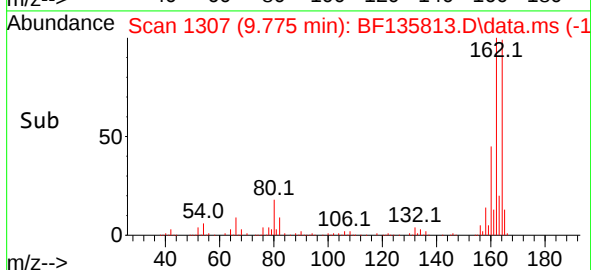
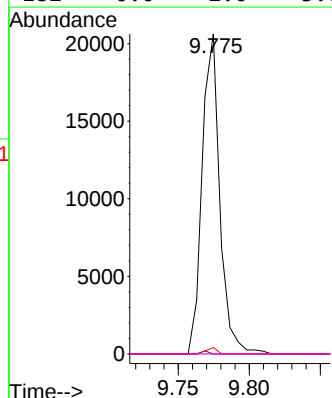
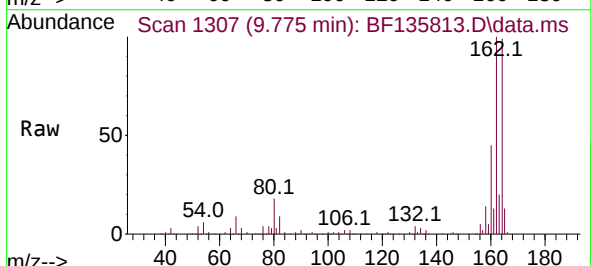
Ion Ratio Lower Upper

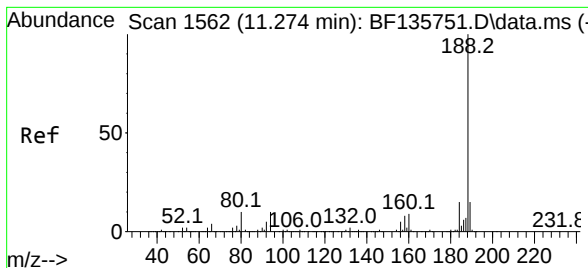
165 100

63 0.0 39.0 58.4#

89 2.0 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: BF135813.D

Acq: 17 Oct 2023 15:40

Instrument :

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ClientSampleId :

MW-7

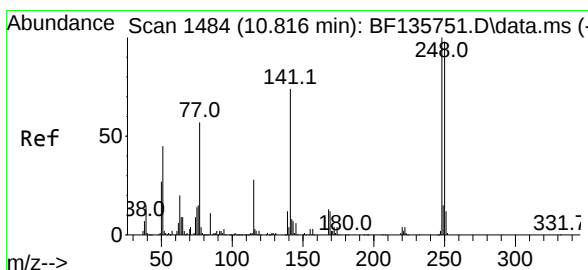
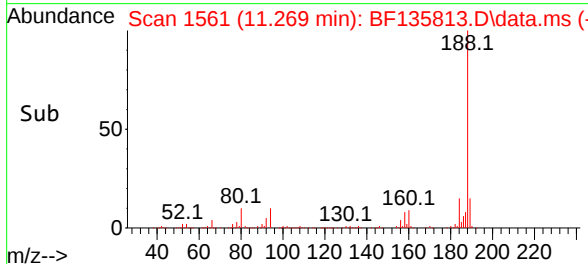
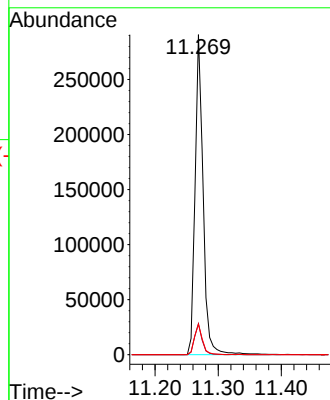
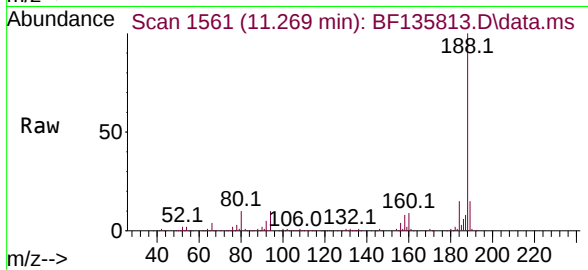
Tgt Ion:188 Resp: 257500

Ion Ratio Lower Upper

188 100

94 9.7 8.0 12.0

80 9.5 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 5.002 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135813.D

Acq: 17 Oct 2023 15:40

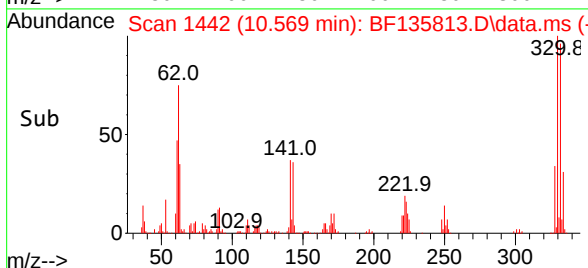
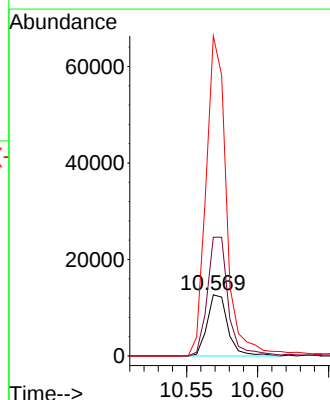
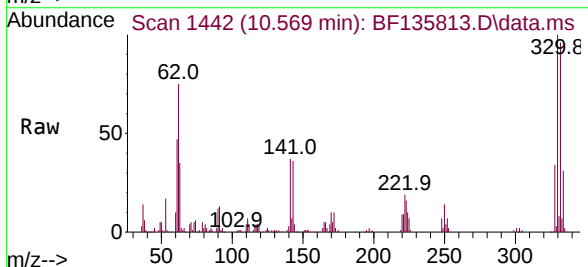
Tgt Ion:248 Resp: 12930

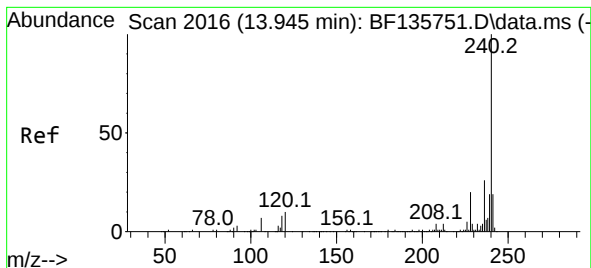
Ion Ratio Lower Upper

248 100

250 194.4 78.0 117.0#

141 523.8 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: BF135813.D

Acq: 17 Oct 2023 15:40

Instrument :

BNA_F

ClientSampleId :

MW-7

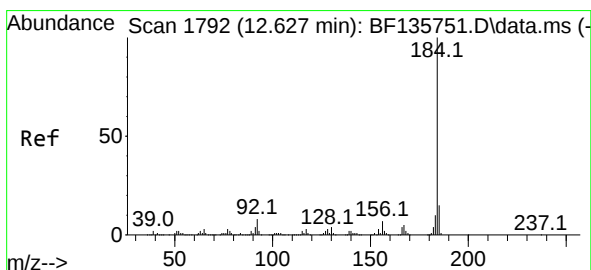
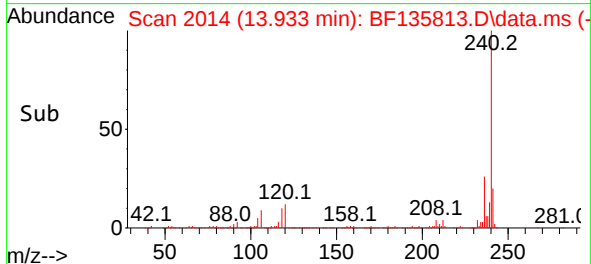
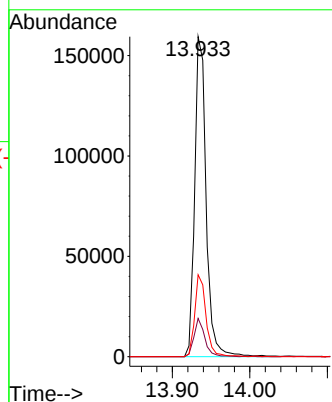
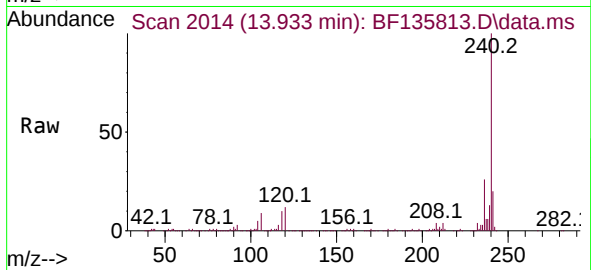
Tgt Ion:240 Resp: 164264

Ion Ratio Lower Upper

240 100

120 11.9 8.2 12.2

236 25.6 21.2 31.8



#77

Benzidine

Concen: 2.985 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135813.D

Acq: 17 Oct 2023 15:40

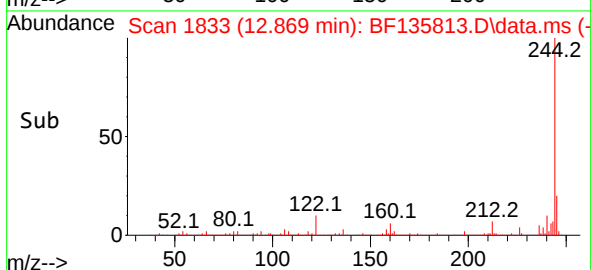
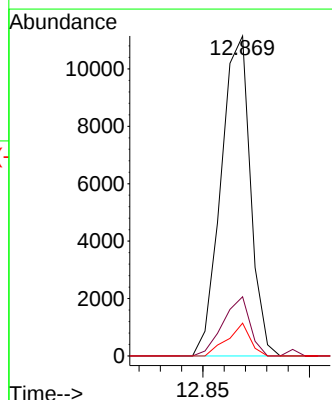
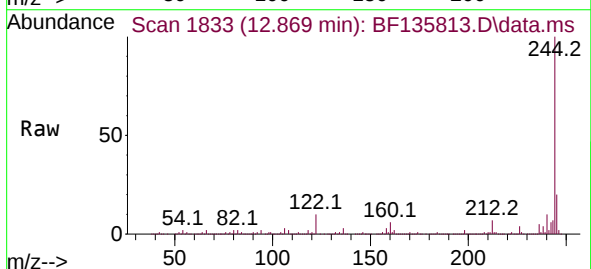
Tgt Ion:184 Resp: 10701

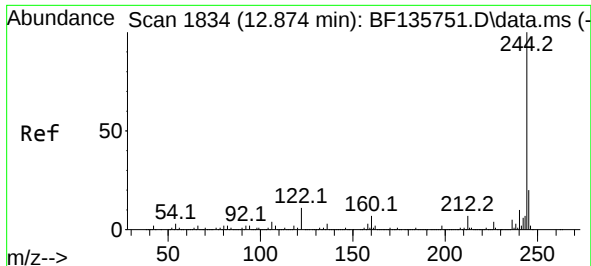
Ion Ratio Lower Upper

184 100

185 18.5 12.0 18.0#

183 10.3 8.2 12.2

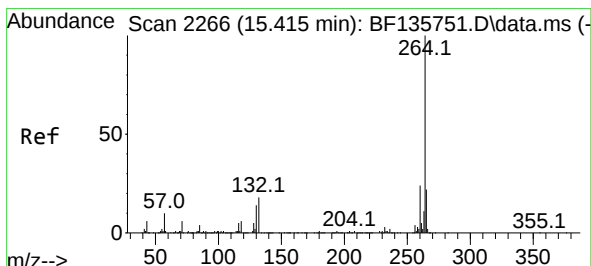
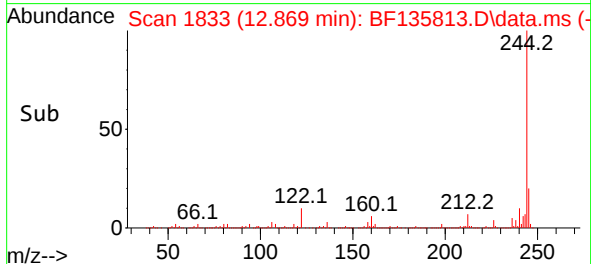
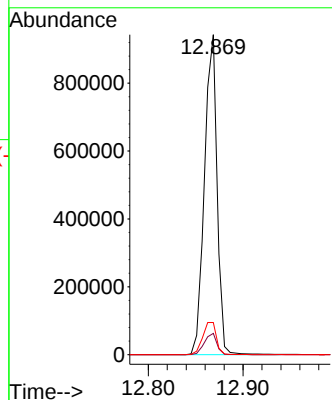
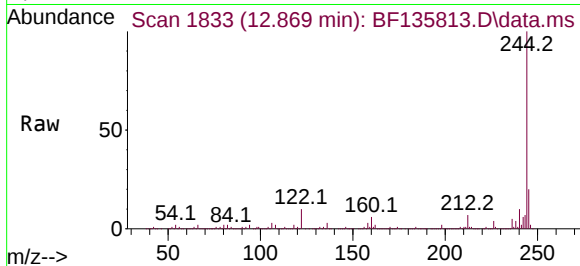




#79
 Terphenyl-d14
 Concen: 98.288 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135813.D
 Acq: 17 Oct 2023 15:40

Instrument :
 BNA_F
 ClientSampleId :
 MW-7

Tgt Ion:244 Resp: 871808
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.1 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135813.D
 Acq: 17 Oct 2023 15:40

Tgt Ion:264 Resp: 160423
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.2 17.4 26.2

