

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135822.D
 Acq On : 17 Oct 2023 20:30
 Operator : CG\JU
 Sample : 04740-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BW1D

Quant Time: Oct 18 02:01:42 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)

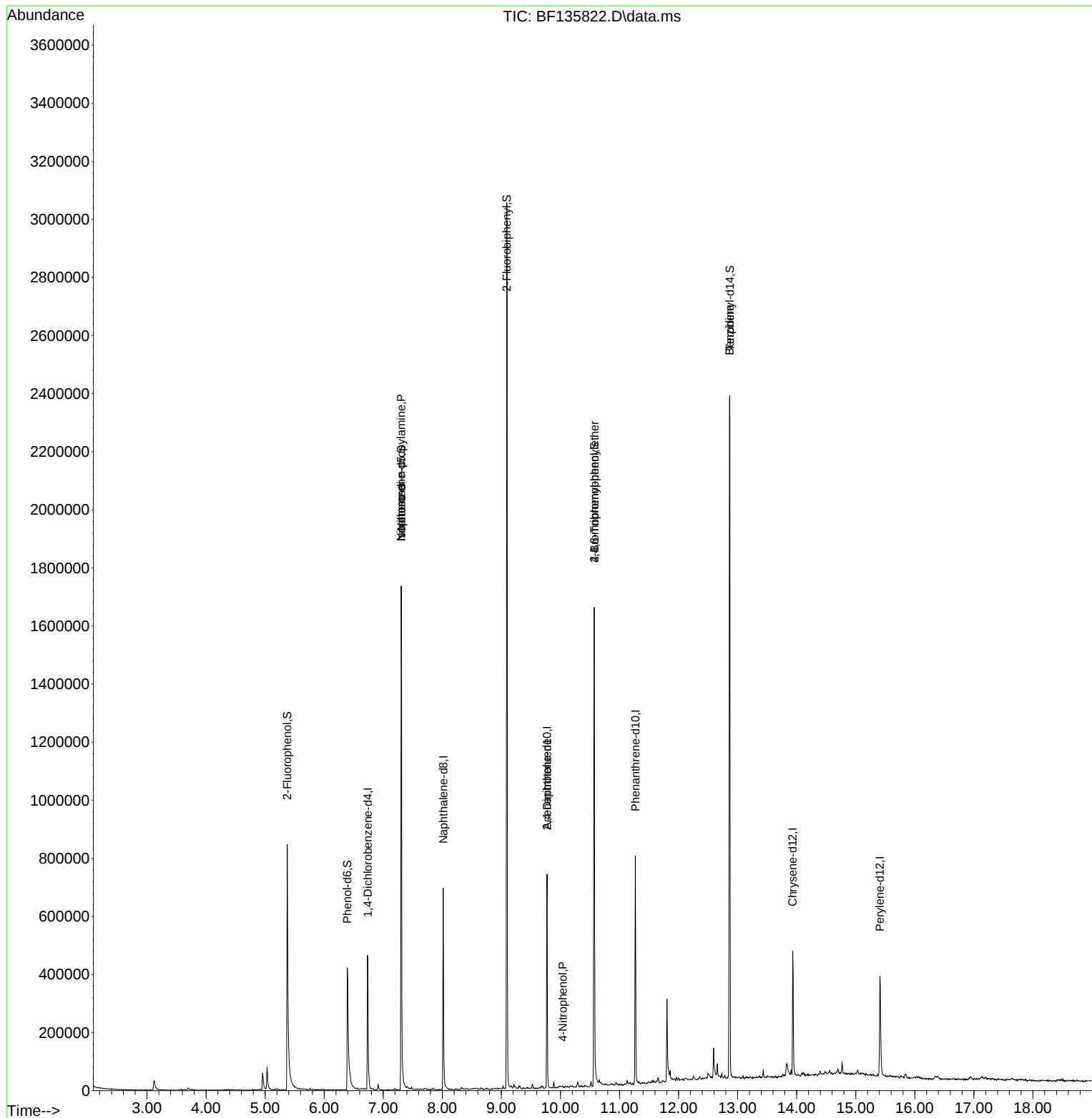
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	77843	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	294458	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	147965	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	281313	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	153722	20.000	ng	#-0.02
86) Perylene-d12	15.410	264	173538	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	320152	66.123	ng	0.00
7) Phenol-d6	6.392	99	222897	36.896	ng	0.00
23) Nitrobenzene-d5	7.304	82	543428	101.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	221856	156.254	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	974415	102.964	ng	-0.01
79) Terphenyl-d14	12.869	244	930005	112.039	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	71822	19.228	ng	# 75
25) Isophorone	7.304	82	543428	53.802	ng	# 66
56) 4-Nitrophenol	10.039	139	74	5.549	ng	93
57) 2,4-Dinitrotoluene	9.775	165	18702	6.844	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	13932	4.934	ng	# 1
77) Benzidine	12.863	184	11726	3.496	ng	# 95

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

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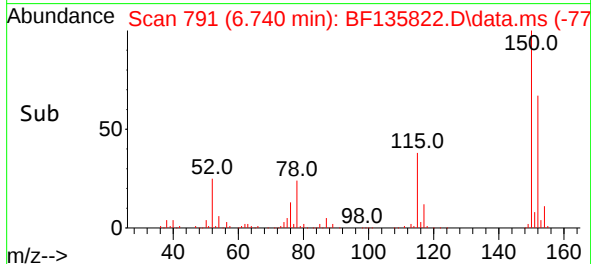
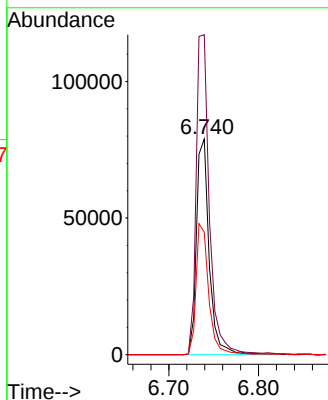
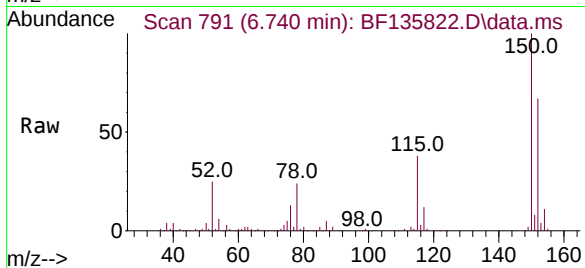




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF135822.D
 Acq: 17 Oct 2023 20:30

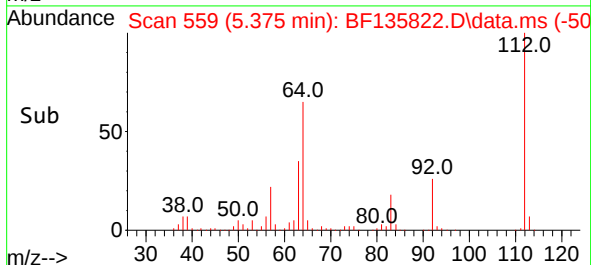
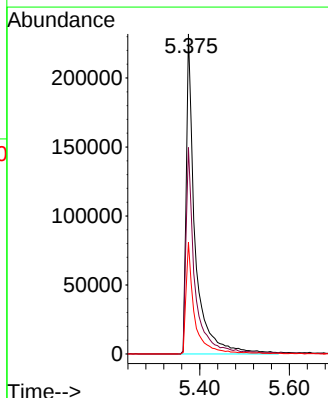
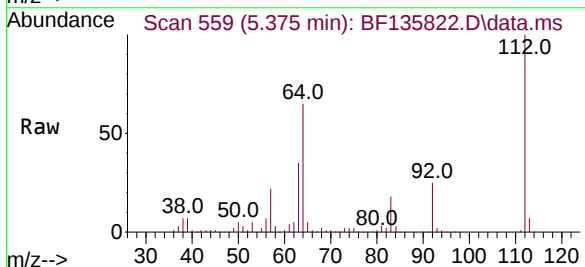
Instrument :
 BNA_F
 ClientSampleId :
 BW1D

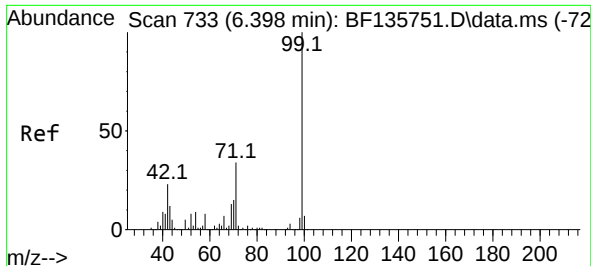
Tgt Ion:152 Resp: 77843
 Ion Ratio Lower Upper
 152 100
 150 148.3 124.5 186.7
 115 56.7 49.0 73.4



#5
 2-Fluorophenol
 Concen: 66.123 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135822.D
 Acq: 17 Oct 2023 20:30

Tgt Ion:112 Resp: 320152
 Ion Ratio Lower Upper
 112 100
 64 64.5 51.2 76.8
 63 34.8 26.1 39.1

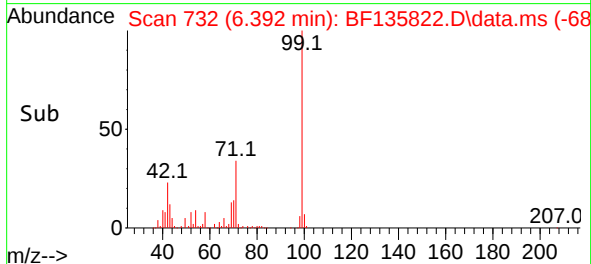
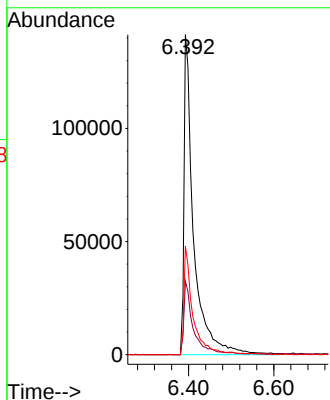
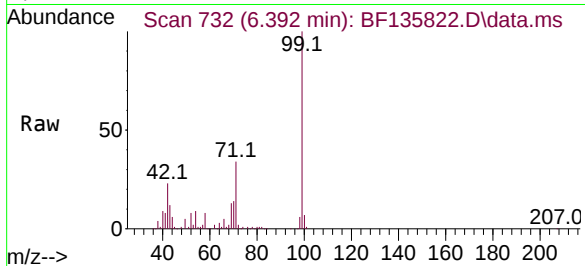




#7
Phenol-d6
Concen: 36.896 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135822.D
Acq: 17 Oct 2023 20:30

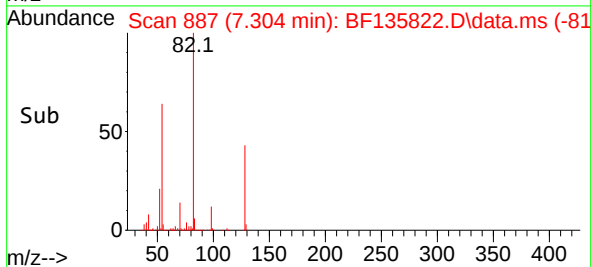
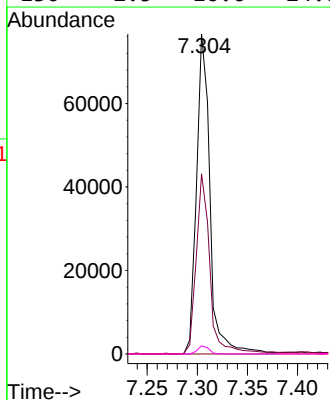
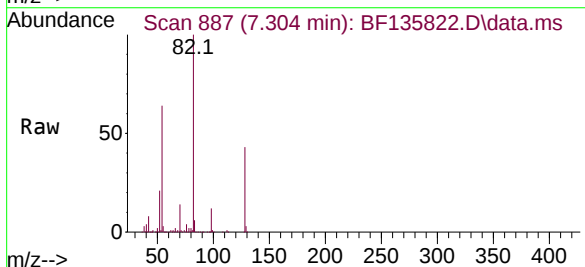
Instrument :
BNA_F
ClientSampleId :
BW1D

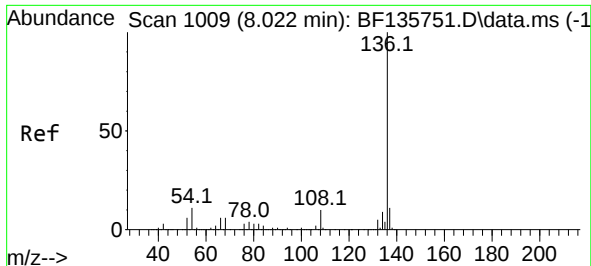
Tgt Ion: 99 Resp: 222897
Ion Ratio Lower Upper
99 100
42 22.9 18.4 27.6
71 33.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.228 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135822.D
Acq: 17 Oct 2023 20:30

Tgt Ion: 70 Resp: 71822
Ion Ratio Lower Upper
70 100
42 56.3 59.8 89.6#
101 0.0 7.4 11.2#
130 2.5 16.6 24.8#

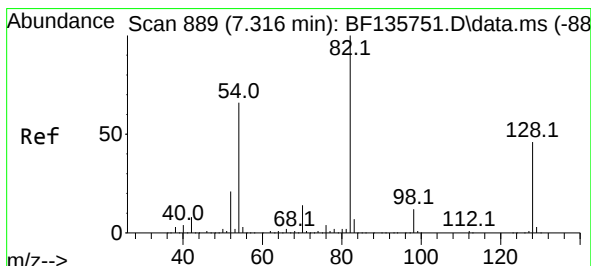
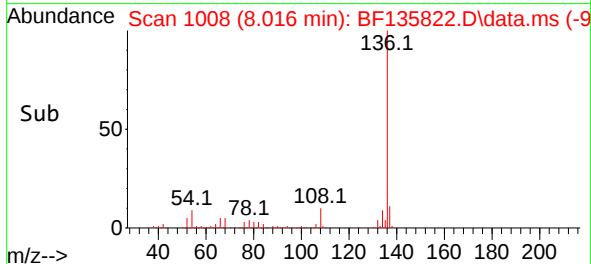
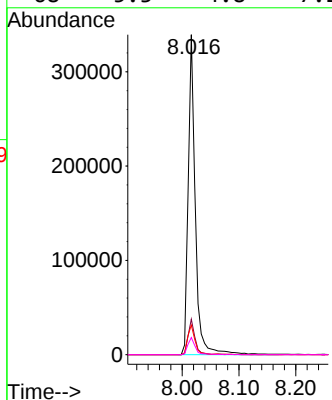
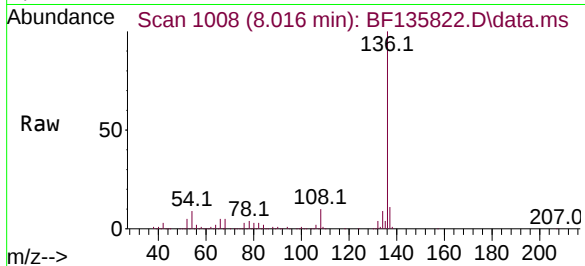




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135822.D
Acq: 17 Oct 2023 20:30

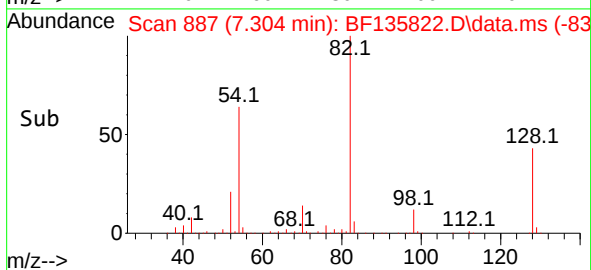
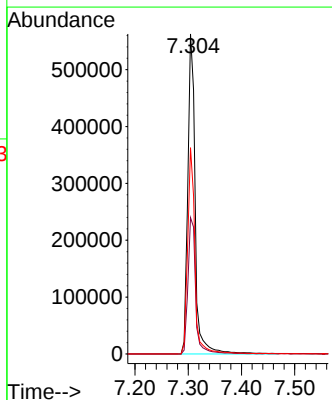
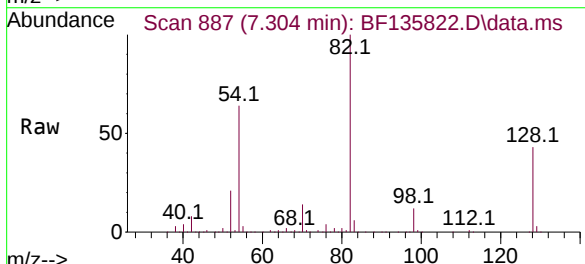
Instrument :
BNA_F
ClientSampleId :
BW1D

Tgt Ion:136 Resp: 294458
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.2 8.5 12.7
68 5.3 4.8 7.2



#23
Nitrobenzene-d5
Concen: 101.502 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135822.D
Acq: 17 Oct 2023 20:30

Tgt Ion: 82 Resp: 543428
Ion Ratio Lower Upper
82 100
128 42.6 37.0 55.6
54 64.5 52.8 79.2

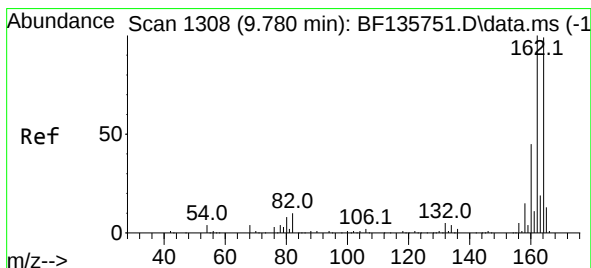
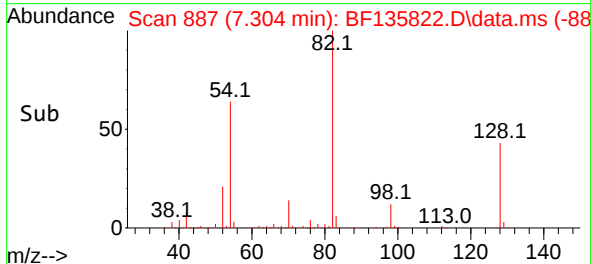
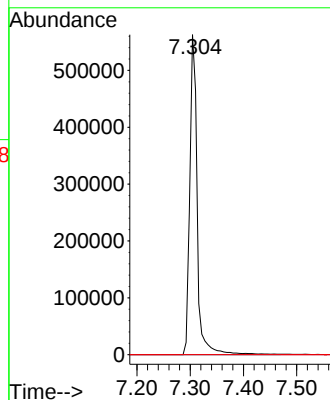
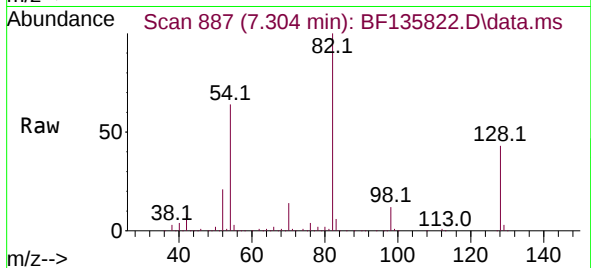




#25
Isophorone
Concen: 53.802 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135822.D
Acq: 17 Oct 2023 20:30

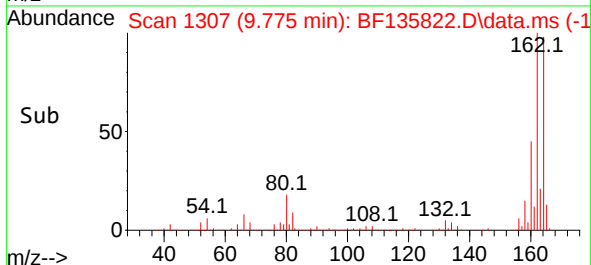
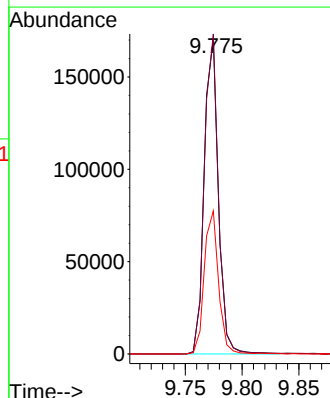
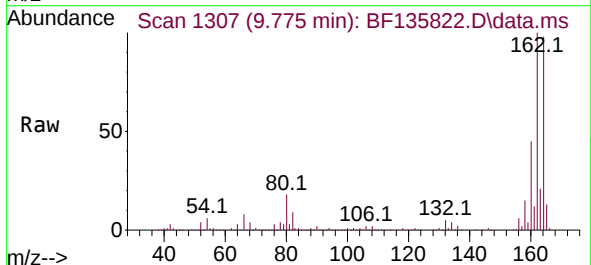
Instrument :
BNA_F
ClientSampleId :
BW1D

Tgt Ion: 82 Resp: 543428
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: BF135822.D
Acq: 17 Oct 2023 20:30

Tgt Ion: 164 Resp: 147965
Ion Ratio Lower Upper
164 100
162 101.6 80.8 121.2
160 45.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 156.254 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135822.D

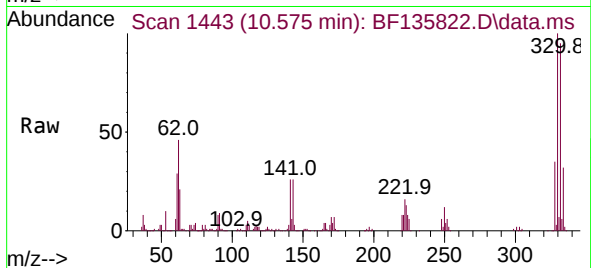
Acq: 17 Oct 2023 20:30

Instrument :

BNA_F

ClientSampleId :

BW1D



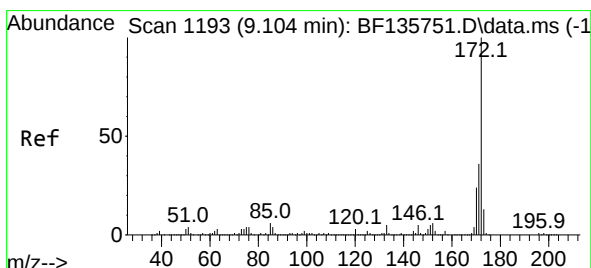
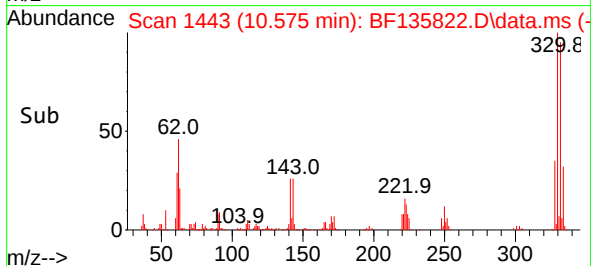
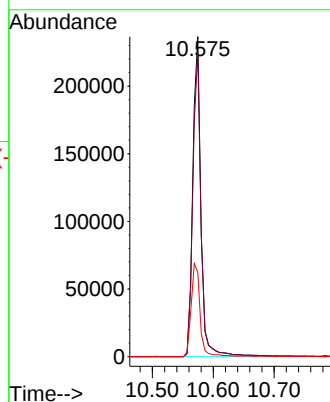
Tgt Ion:330 Resp: 221856

Ion Ratio Lower Upper

330 100

332 95.7 75.0 112.4

141 31.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 102.964 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135822.D

Acq: 17 Oct 2023 20:30

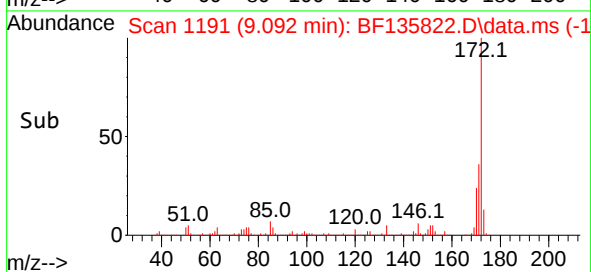
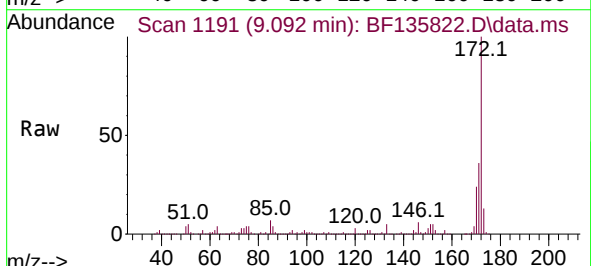
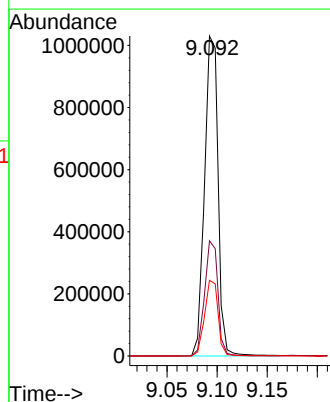
Tgt Ion:172 Resp: 974415

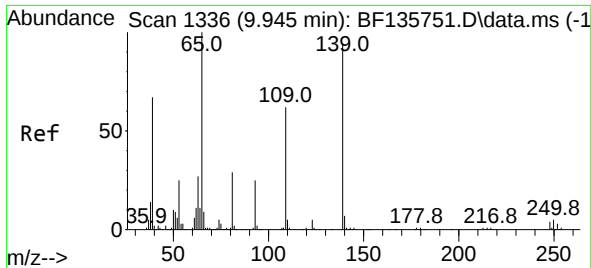
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.7 18.8 28.2

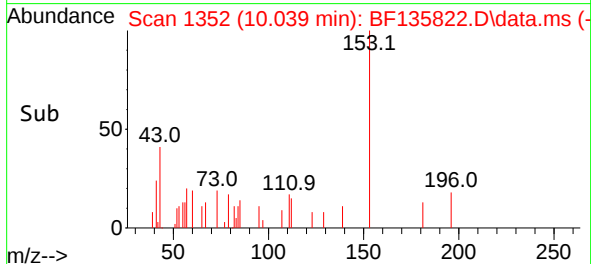
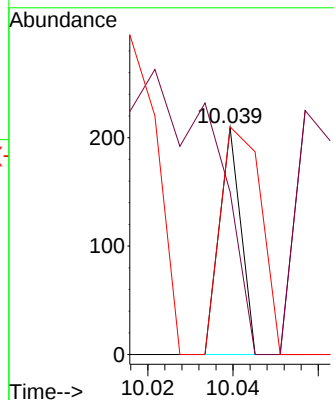
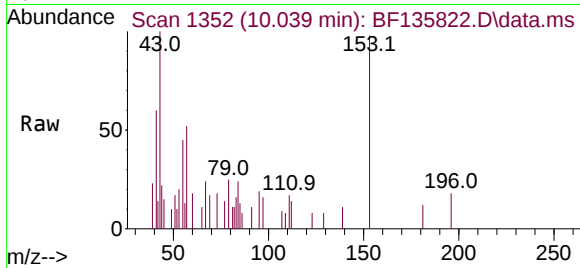




#56
4-Nitrophenol
Concen: 5.549 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF135822.D
Acq: 17 Oct 2023 20:30

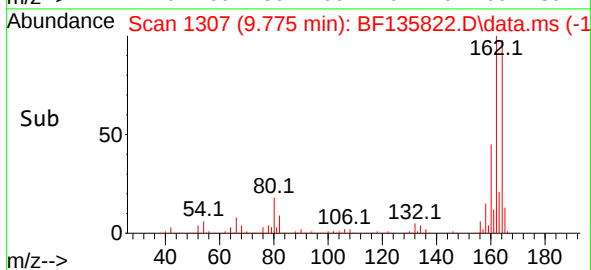
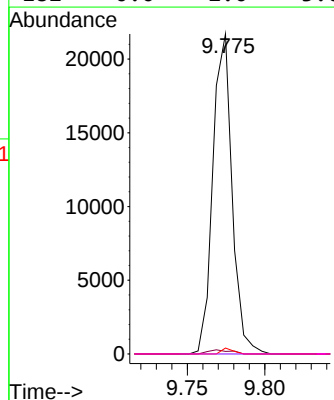
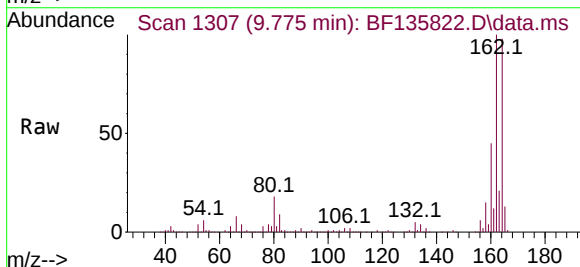
Instrument :
BNA_F
ClientSampleId :
BW1D

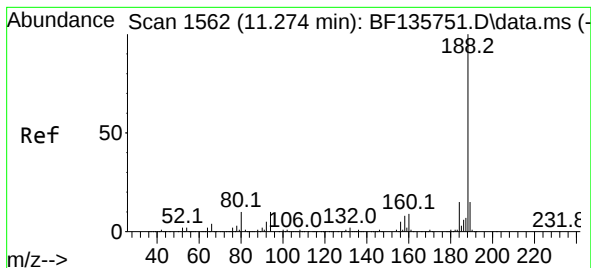
Tgt Ion:139	Resp:	74	
Ion	Ratio	Lower	Upper
139	100		
109	71.8	45.6	85.6
65	100.5	87.5	127.5



#57
2,4-Dinitrotoluene
Concen: 6.844 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135822.D
Acq: 17 Oct 2023 20:30

Tgt	Ion:165	Resp:	18702
Ion	Ratio	Lower	Upper
165	100		
63	0.8	39.0	58.4#
89	1.9	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: BF135822.D

Acq: 17 Oct 2023 20:30

Instrument :

BNA_F

ClientSampleId :

BW1D

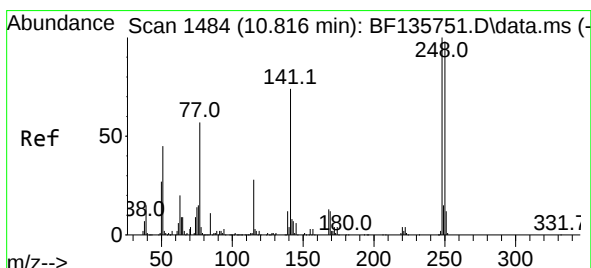
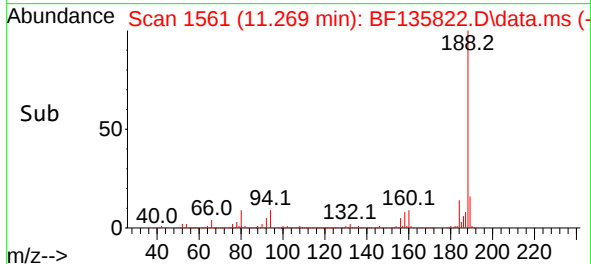
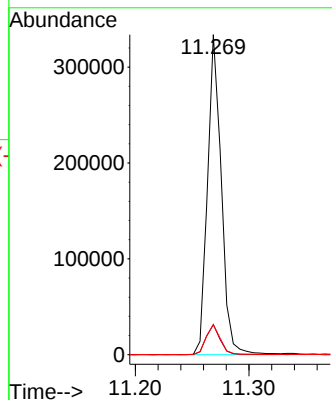
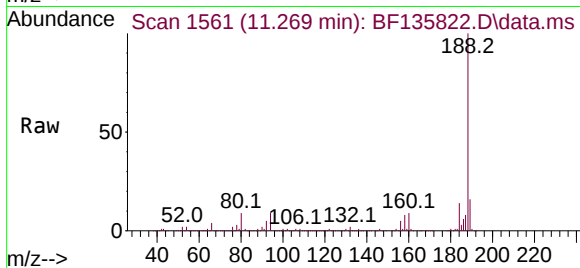
Tgt Ion:188 Resp: 281313

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

80 9.4 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 4.934 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135822.D

Acq: 17 Oct 2023 20:30

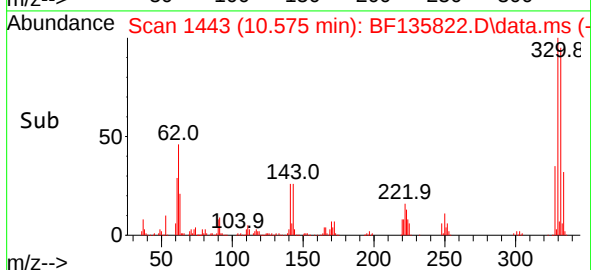
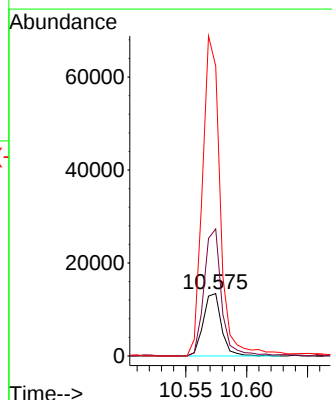
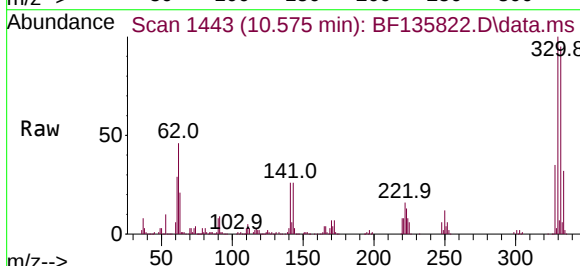
Tgt Ion:248 Resp: 13932

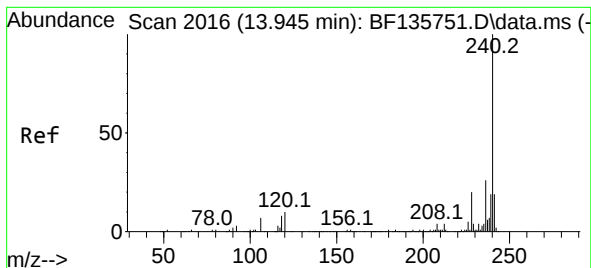
Ion Ratio Lower Upper

248 100

250 203.8 78.0 117.0#

141 464.9 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: BF135822.D

Acq: 17 Oct 2023 20:30

Instrument :

BNA_F

ClientSampleId :

BW1D

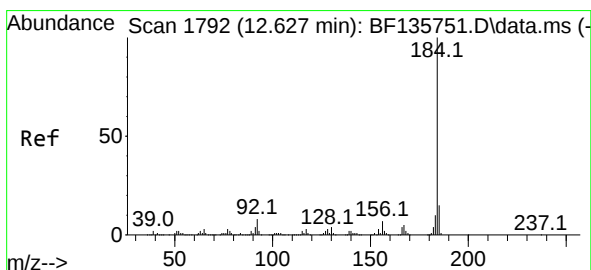
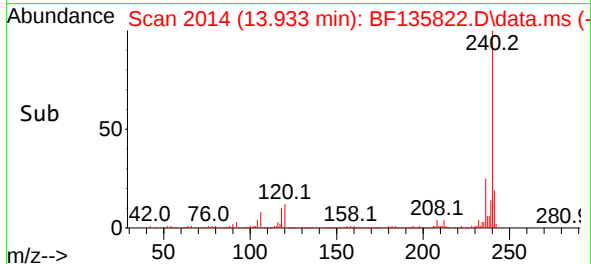
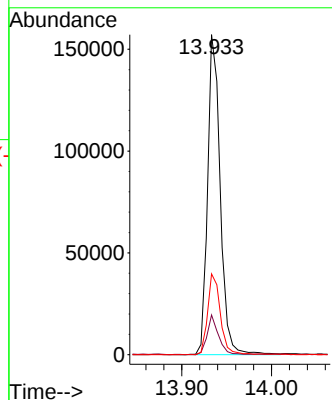
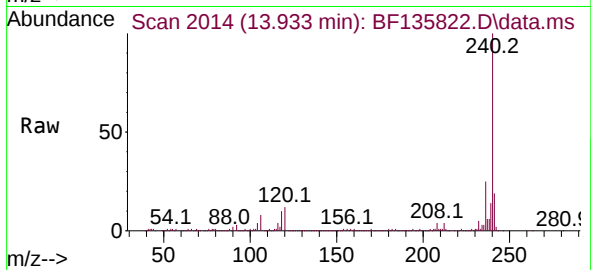
Tgt Ion:240 Resp: 153722

Ion Ratio Lower Upper

240 100

120 12.4 8.2 12.2#

236 25.2 21.2 31.8



#77

Benzidine

Concen: 3.496 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.229 min

Lab File: BF135822.D

Acq: 17 Oct 2023 20:30

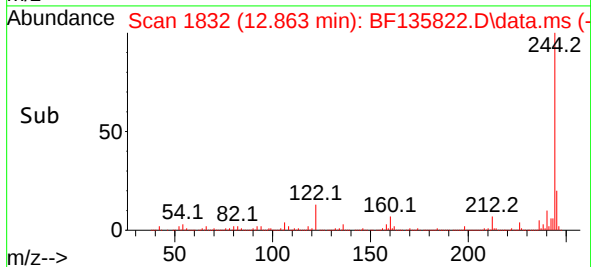
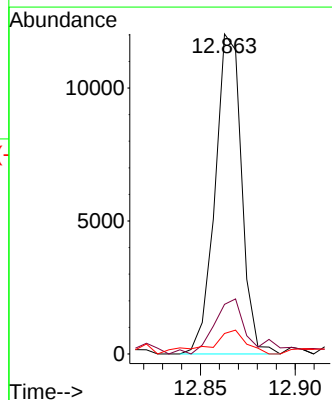
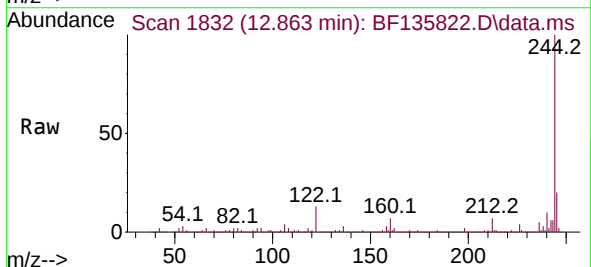
Tgt Ion:184 Resp: 11726

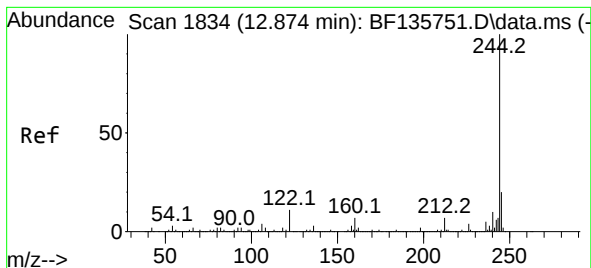
Ion Ratio Lower Upper

184 100

185 15.5 12.0 18.0

183 6.4 8.2 12.2#





#79

Terphenyl-d14

Concen: 112.039 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135822.D

Acq: 17 Oct 2023 20:30

Instrument :

BNA_F

ClientSampleId :

BW1D

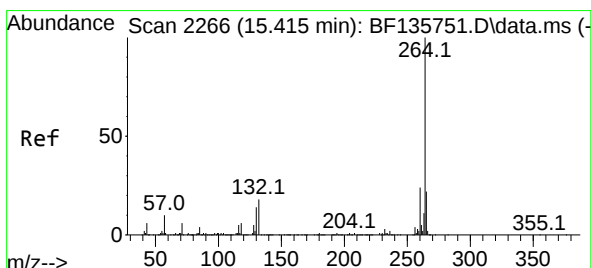
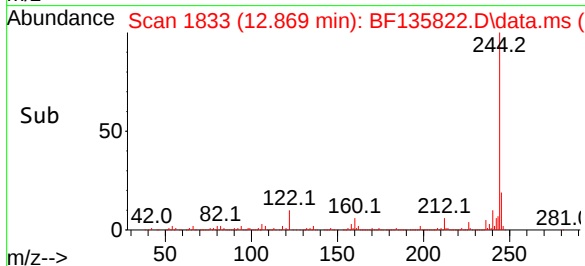
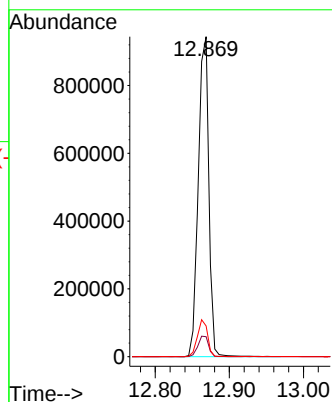
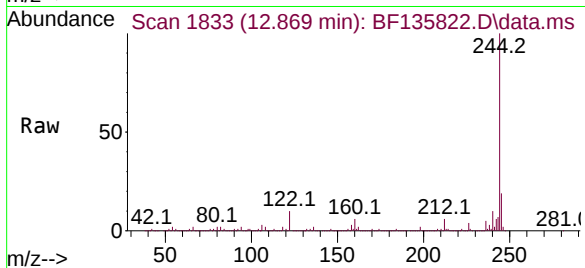
Tgt Ion:244 Resp: 930005

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 9.6 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: BF135822.D

Acq: 17 Oct 2023 20:30

Tgt Ion:264 Resp: 173538

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 20.1 17.4 26.2

