

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135858.D
 Acq On : 18 Oct 2023 20:54
 Operator : CG\JU
 Sample : 04895-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-3

Quant Time: Oct 19 02:08:40 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)

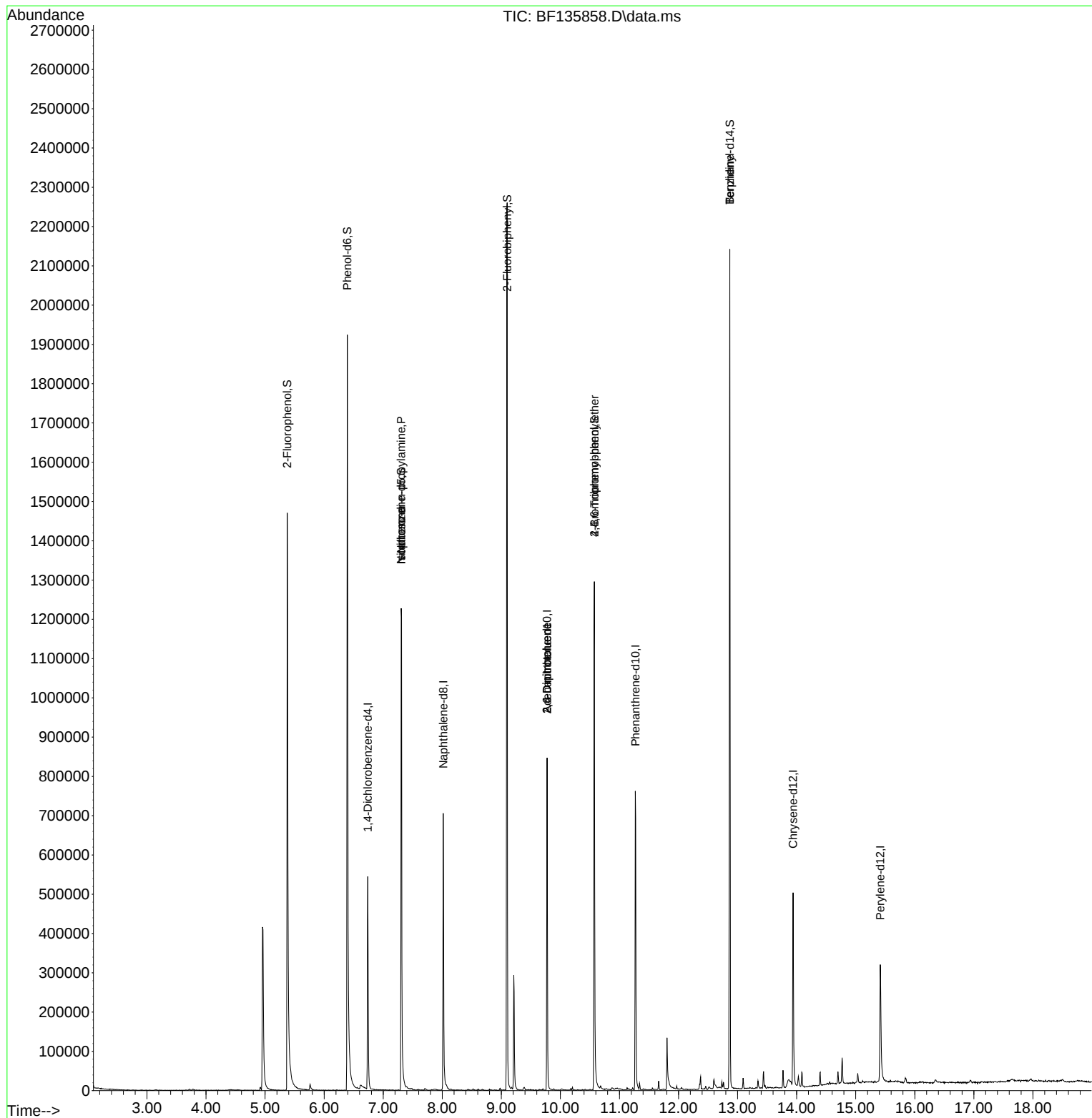
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	85165	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	321531	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	160677	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	313272	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	181078	20.000	ng	-0.01
86) Perylene-d12	15.415	264	163038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	491570	92.799	ng	0.00
7) Phenol-d6	6.393	99	692280	104.742	ng	0.00
23) Nitrobenzene-d5	7.304	82	416189	71.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	169762	110.105	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	745025	72.497	ng	0.00
79) Terphenyl-d14	12.869	244	729725	74.630	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	56308	13.778	ng	# 74
25) Isophorone	7.304	82	416189	37.736	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	20719	8.883	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	20719	6.982	ng	# 23
67) 4-Bromophenyl-phenylether	10.575	248	10512	3.343	ng	# 1
77) Benzidine	12.869	184	9328	2.361	ng	# 93

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

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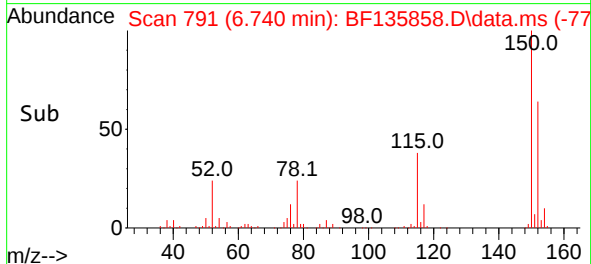
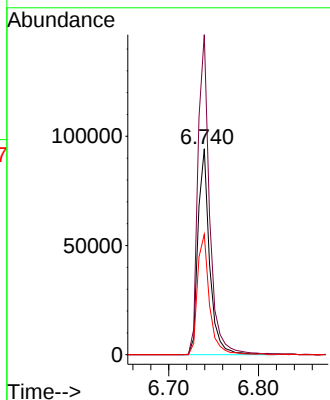
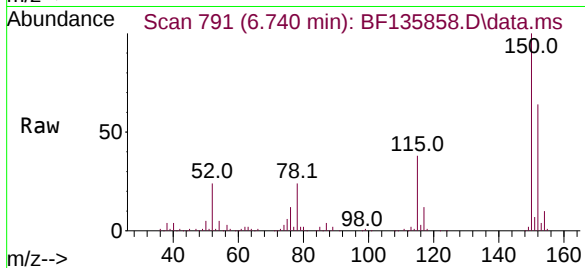




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF135858.D
 Acq: 18 Oct 2023 20:54

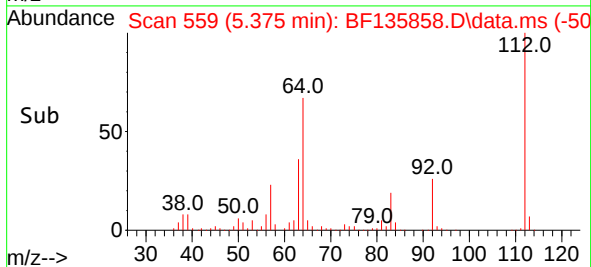
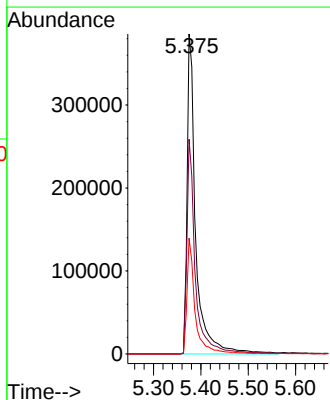
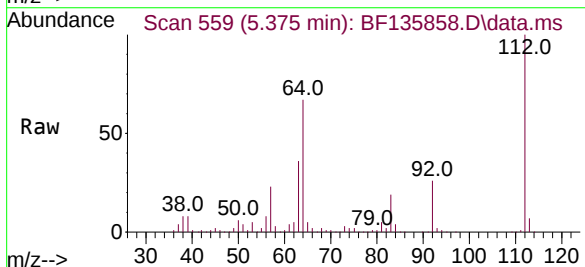
Instrument :
 BNA_F
 ClientSampleId :
 A-3

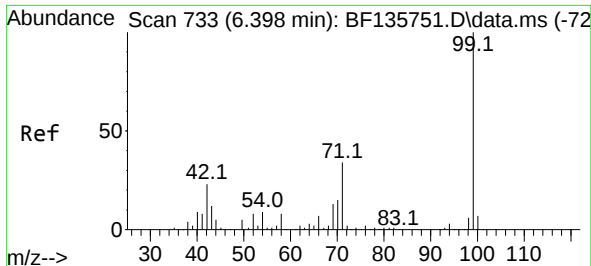
Tgt Ion:152 Resp: 85165
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.5 186.7
 115 58.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 92.799 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135858.D
 Acq: 18 Oct 2023 20:54

Tgt Ion:112 Resp: 491570
 Ion Ratio Lower Upper
 112 100
 64 67.1 51.2 76.8
 63 36.1 26.1 39.1

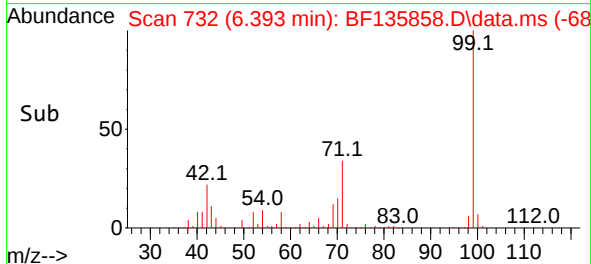
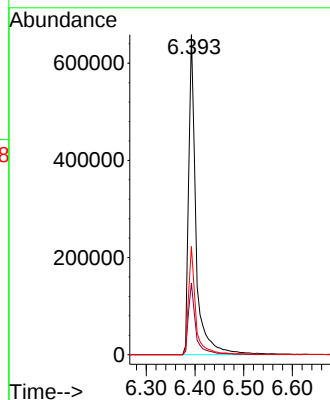
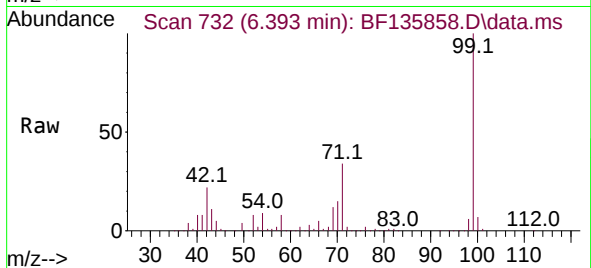




#7
Phenol-d6
Concen: 104.742 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135858.D
Acq: 18 Oct 2023 20:54

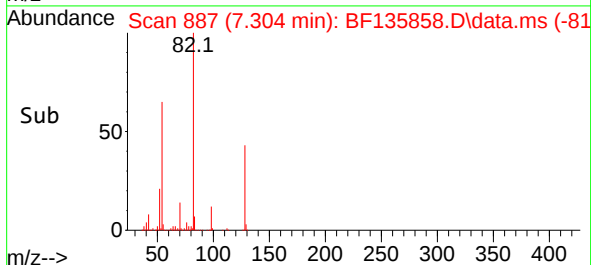
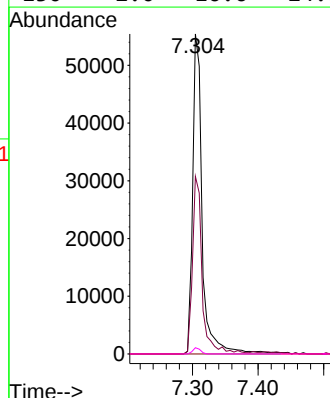
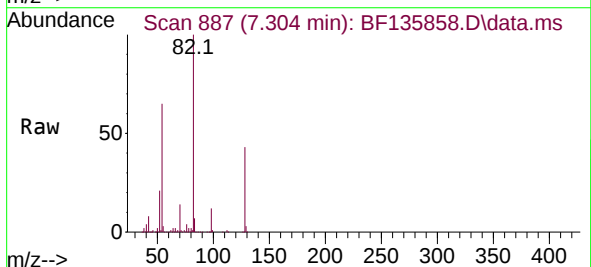
Instrument :
BNA_F
ClientSampleId :
A-3

Tgt Ion: 99 Resp: 692280
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 33.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.778 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135858.D
Acq: 18 Oct 2023 20:54

Tgt Ion: 70 Resp: 56308
Ion Ratio Lower Upper
70 100
42 55.5 59.8 89.6#
101 0.0 7.4 11.2#
130 2.0 16.6 24.8#



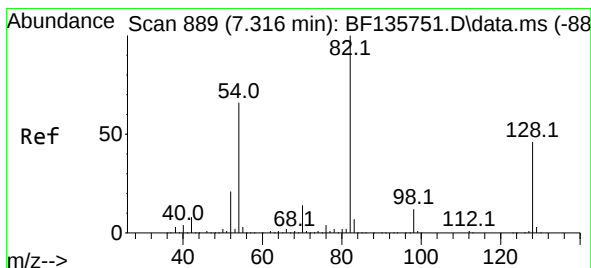
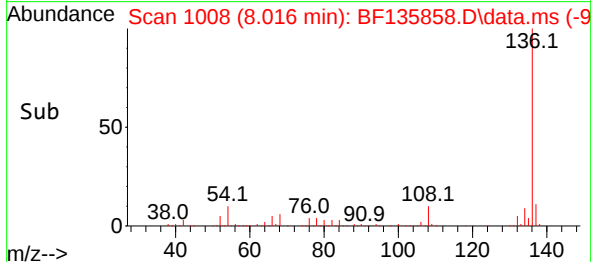
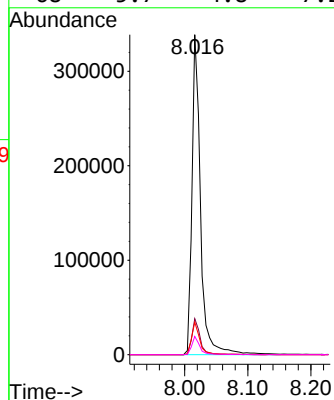
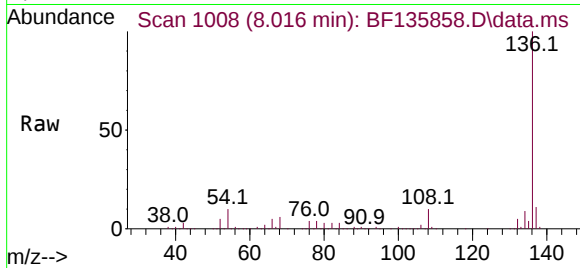


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135858.D
Acq: 18 Oct 2023 20:54

Instrument :
BNA_F
ClientSampleId :
A-3

Tgt Ion:136 Resp: 321531

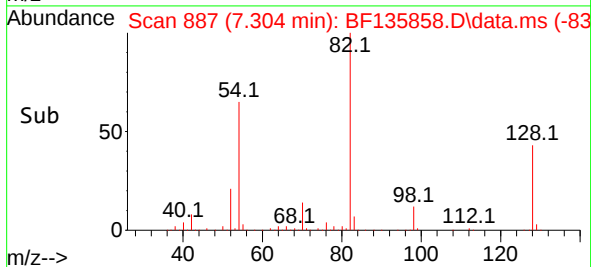
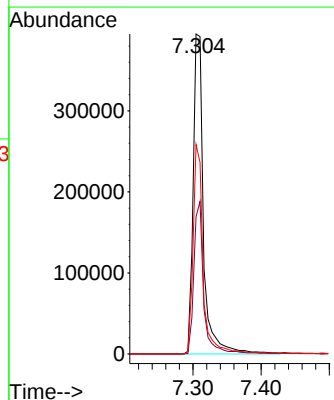
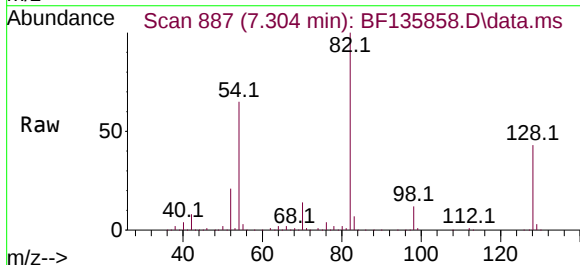
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	10.1	8.5	12.7
68	5.7	4.8	7.2



#23
Nitrobenzene-d5
Concen: 71.191 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135858.D
Acq: 18 Oct 2023 20:54

Tgt Ion: 82 Resp: 416189

Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.0	55.6
54	65.5	52.8	79.2

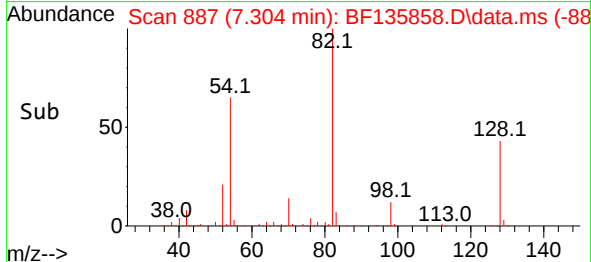
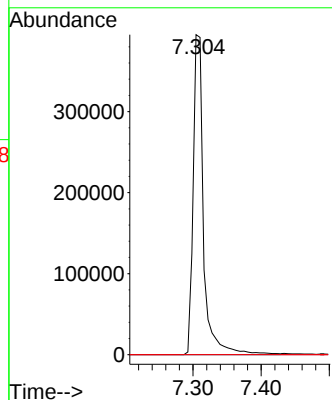
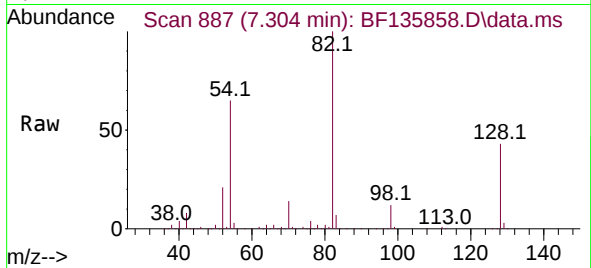




#25
Isophorone
Concen: 37.736 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135858.D
Acq: 18 Oct 2023 20:54

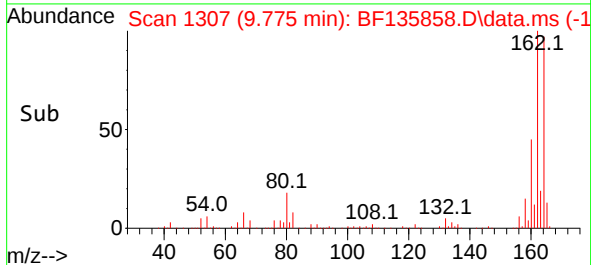
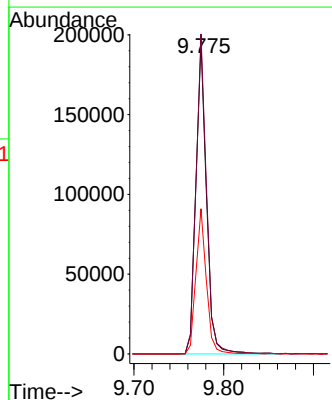
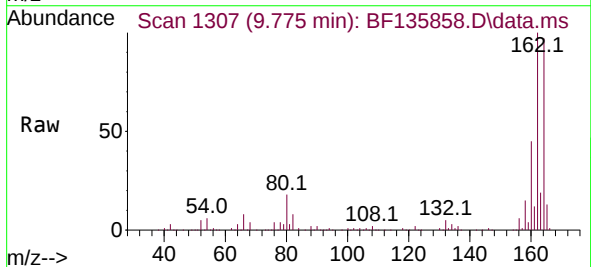
Instrument :
BNA_F
ClientSampleId :
A-3

Tgt Ion: 82 Resp: 416189
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: BF135858.D
Acq: 18 Oct 2023 20:54

Tgt Ion: 164 Resp: 160677
Ion Ratio Lower Upper
164 100
162 102.6 80.8 121.2
160 46.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 110.105 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135858.D

Acq: 18 Oct 2023 20:54

Instrument :

BNA_F

ClientSampleId :

A-3

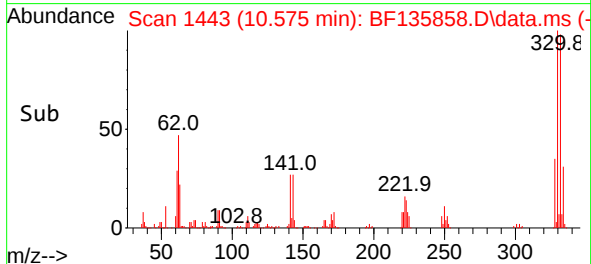
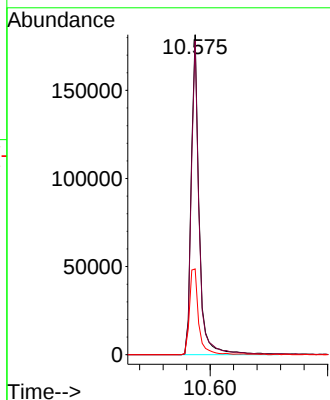
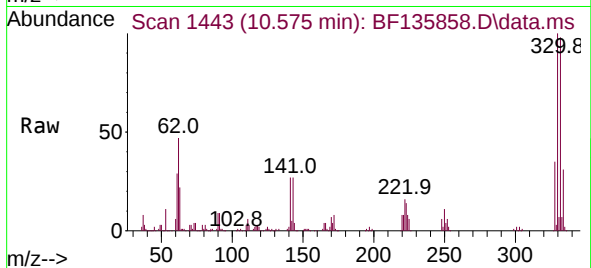
Tgt Ion:330 Resp: 169762

Ion Ratio Lower Upper

330 100

332 96.9 75.0 112.4

141 30.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 72.497 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135858.D

Acq: 18 Oct 2023 20:54

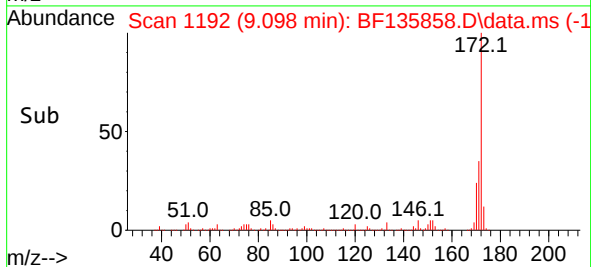
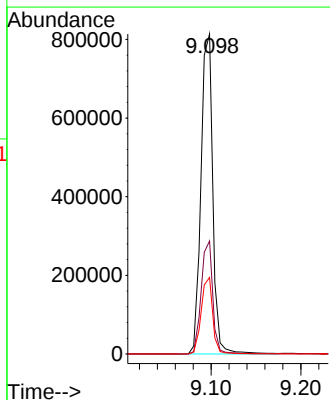
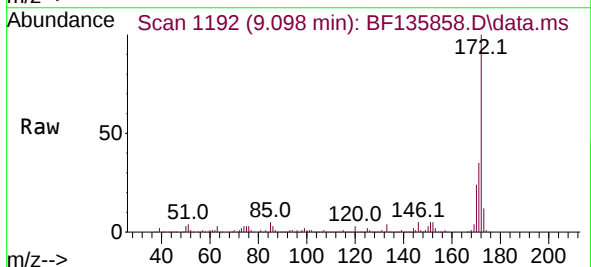
Tgt Ion:172 Resp: 745025

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.9 18.8 28.2

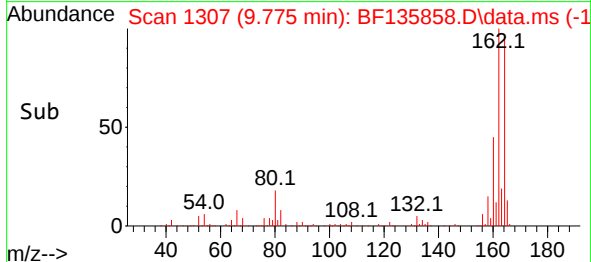
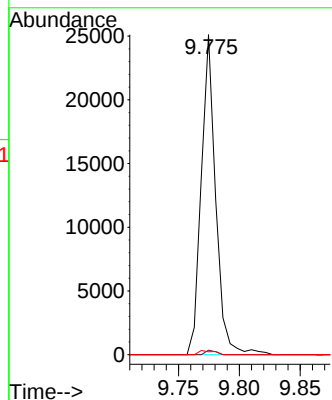
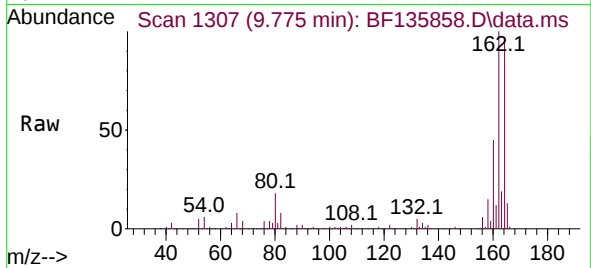




#51
2,6-Dinitrotoluene
Concen: 8.883 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135858.D
Acq: 18 Oct 2023 20:54

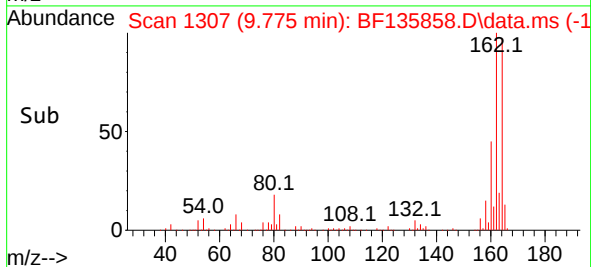
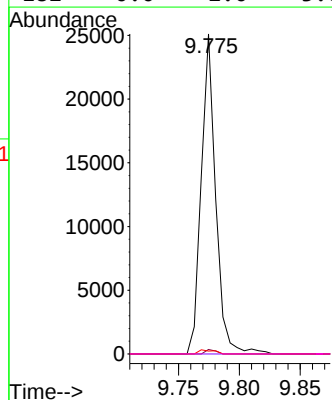
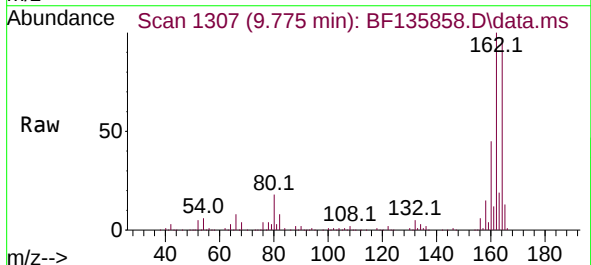
Instrument :
BNA_F
ClientSampleId :
A-3

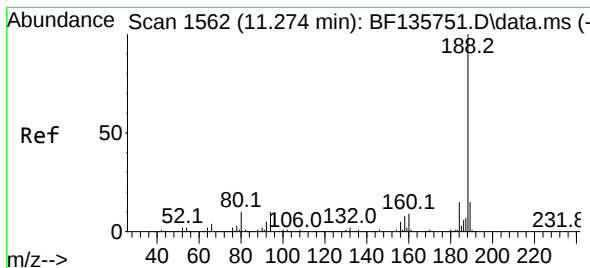
Tgt Ion:165 Resp: 20719
Ion Ratio Lower Upper
165 100
63 1.4 62.2 93.4#
89 0.9 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.982 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135858.D
Acq: 18 Oct 2023 20:54

Tgt Ion:165 Resp: 20719
Ion Ratio Lower Upper
165 100
63 1.4 39.0 58.4#
89 0.9 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135858.D

Acq: 18 Oct 2023 20:54

Instrument :

BNA_F

ClientSampleId :

A-3

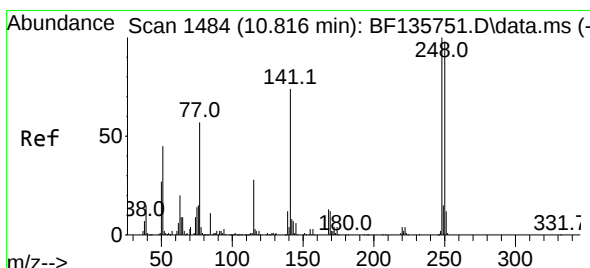
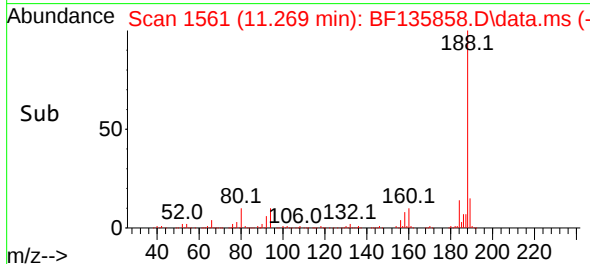
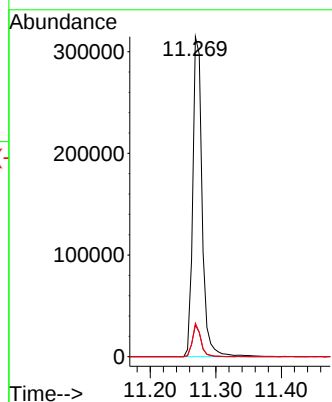
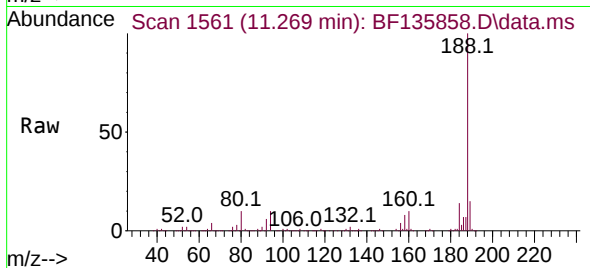
Tgt Ion:188 Resp: 313272

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

80 10.5 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.343 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135858.D

Acq: 18 Oct 2023 20:54

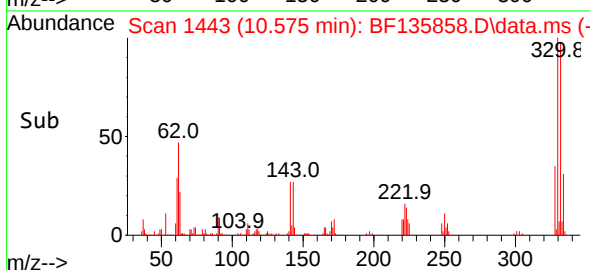
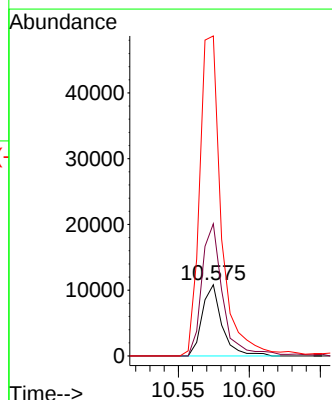
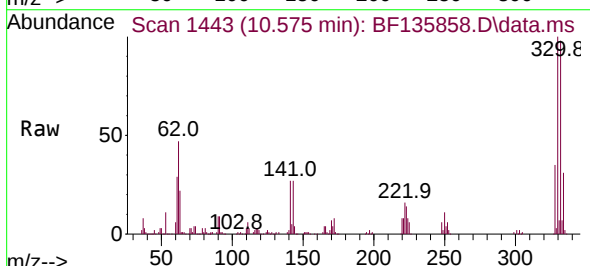
Tgt Ion:248 Resp: 10512

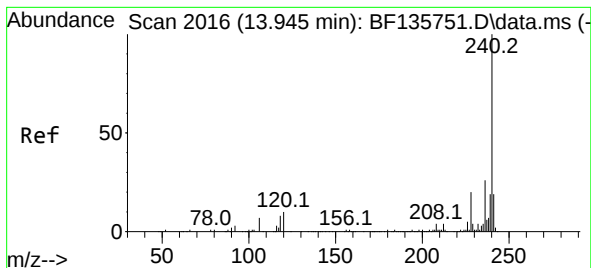
Ion Ratio Lower Upper

248 100

250 185.7 78.0 117.0#

141 449.7 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135858.D

Acq: 18 Oct 2023 20:54

Instrument :

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ClientSampleId :

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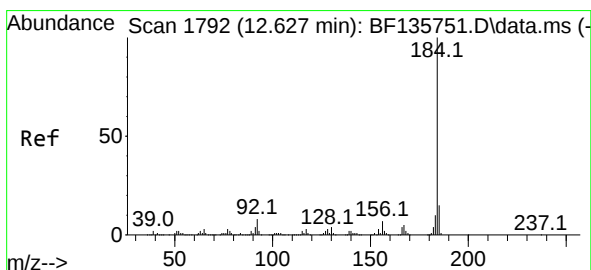
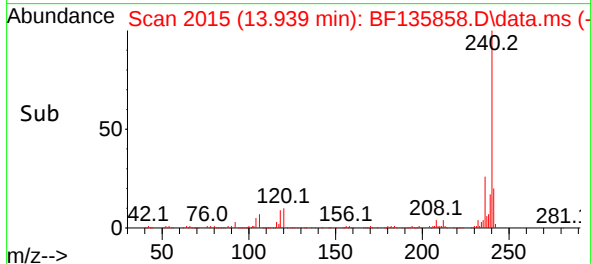
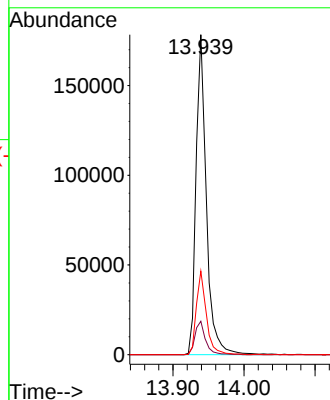
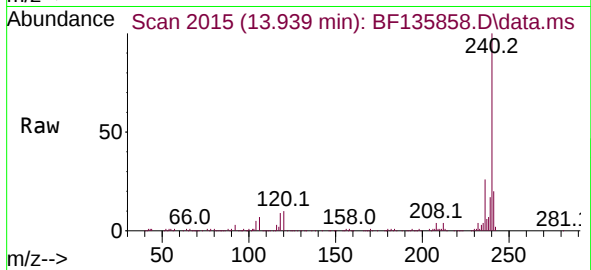
Tgt Ion:240 Resp: 181078

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 26.1 21.2 31.8



#77

Benzidine

Concen: 2.361 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135858.D

Acq: 18 Oct 2023 20:54

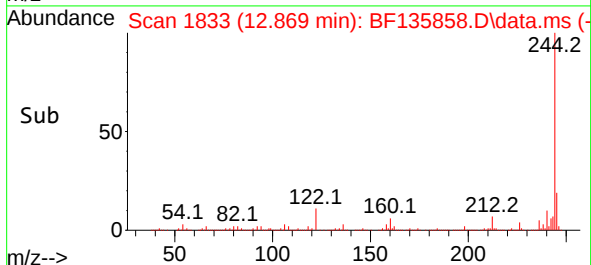
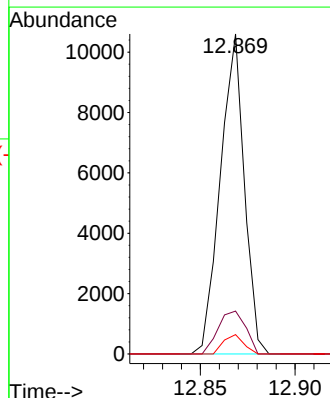
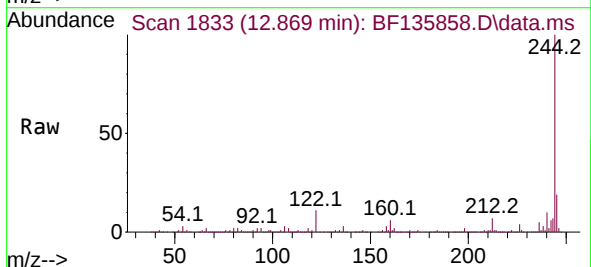
Tgt Ion:184 Resp: 9328

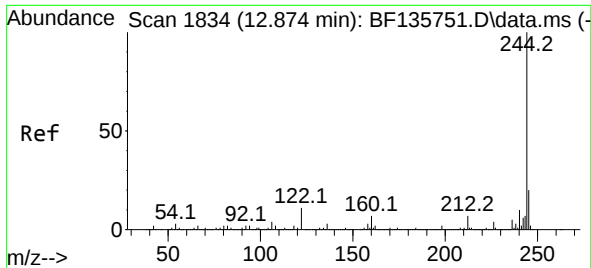
Ion Ratio Lower Upper

184 100

185 13.4 12.0 18.0

183 6.0 8.2 12.2#

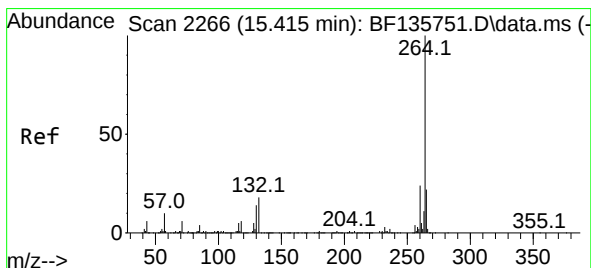
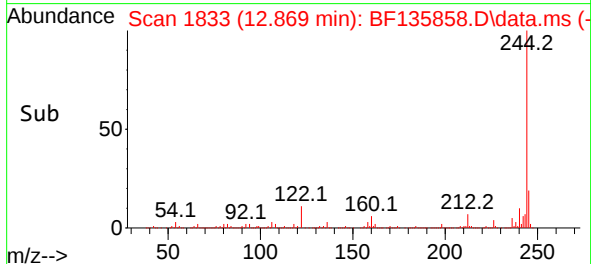
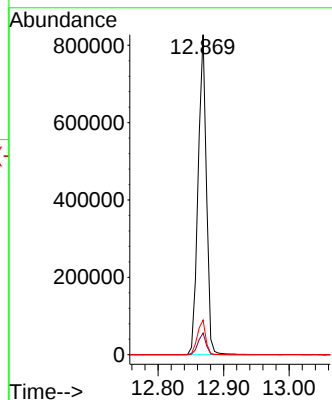
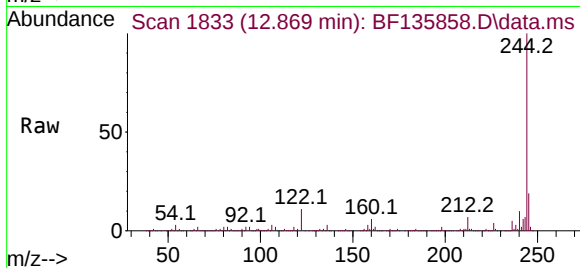




#79
 Terphenyl-d14
 Concen: 74.630 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135858.D
 Acq: 18 Oct 2023 20:54

Instrument :
 BNA_F
 ClientSampleId :
 A-3

Tgt Ion:244 Resp: 729725
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.9 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: BF135858.D
 Acq: 18 Oct 2023 20:54

Tgt Ion:264 Resp: 163038
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.0 17.4 26.2

