

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135859.D
 Acq On : 18 Oct 2023 21:25
 Operator : CG\JU
 Sample : 04740-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FW9D

Quant Time: Oct 19 02:09:01 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)

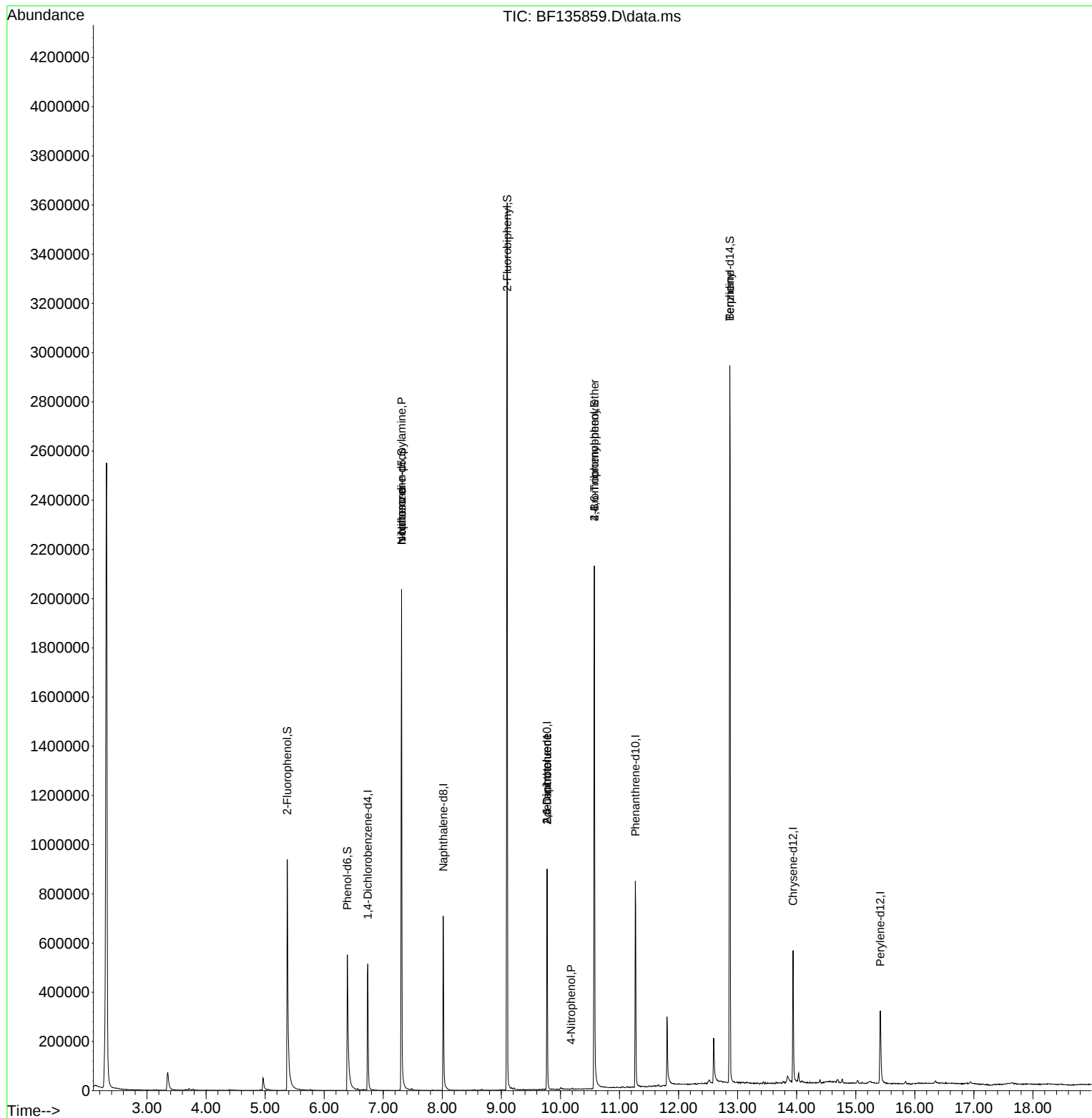
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	83396	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	317922	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	168414	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	332939	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	193105	20.000	ng	-0.01
86) Perylene-d12	15.415	264	162120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	342573	66.043	ng	0.00
7) Phenol-d6	6.392	99	261047	40.334	ng	0.00
23) Nitrobenzene-d5	7.310	82	603828	104.460	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	263581	163.100	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1090448	101.234	ng	0.00
79) Terphenyl-d14	12.868	244	1165886	111.811	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	79969	19.983	ng	# 76
25) Isophorone	7.310	82	603828	55.370	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	21174	8.661	ng	# 16
56) 4-Nitrophenol	10.180	139	68	5.538	ng	# 28
57) 2,4-Dinitrotoluene	9.775	165	21174	6.808	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	15829	4.736	ng	# 1
77) Benzidine	12.868	184	14979	3.555	ng	# 93

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

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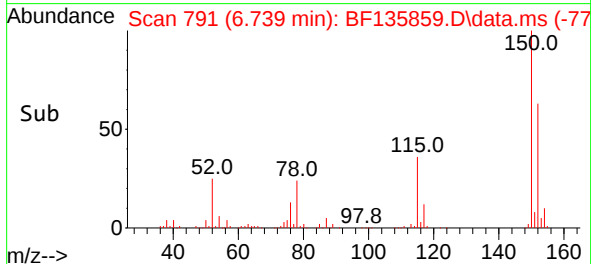
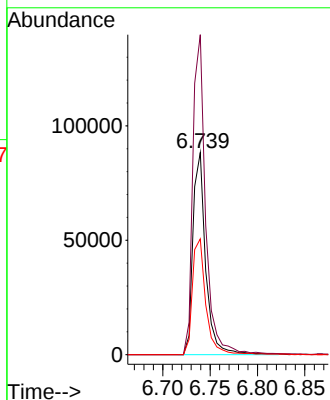
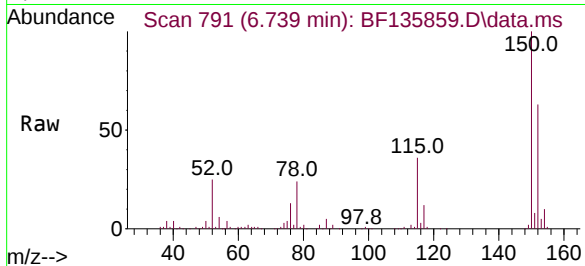




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 791
 Delta R.T. -0.007 min
 Lab File: BF135859.D
 Acq: 18 Oct 2023 21:25

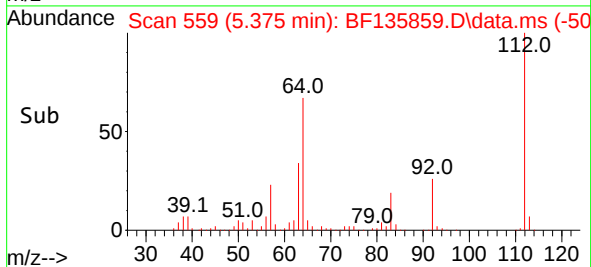
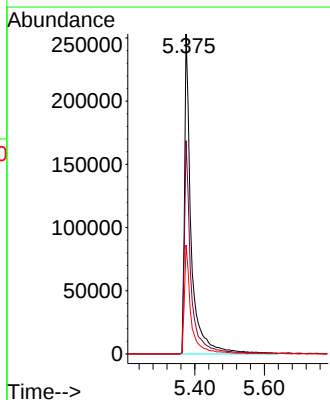
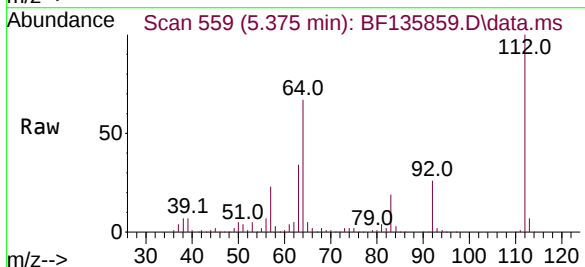
Instrument :
 BNA_F
 ClientSampleId :
 FW9D

Tgt Ion:152 Resp: 83396
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.5 186.7
 115 57.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 66.043 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135859.D
 Acq: 18 Oct 2023 21:25

Tgt Ion:112 Resp: 342573
 Ion Ratio Lower Upper
 112 100
 64 66.6 51.2 76.8
 63 34.1 26.1 39.1

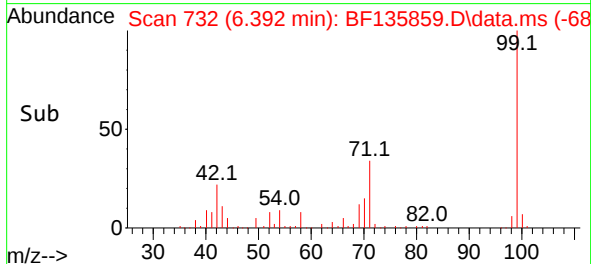
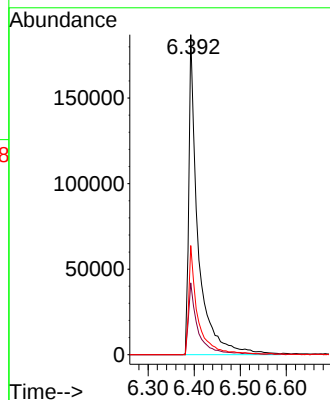
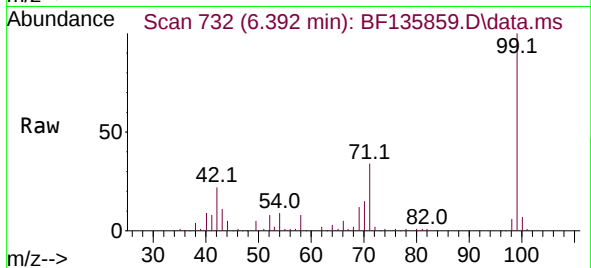




#7
Phenol-d6
Concen: 40.334 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

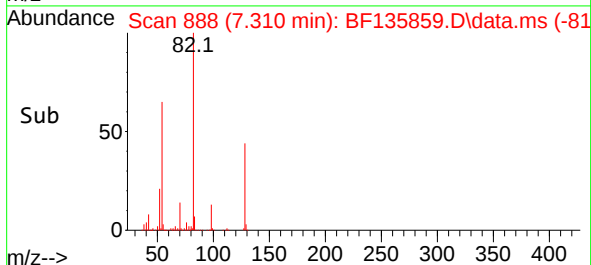
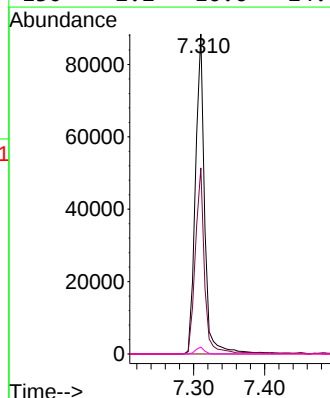
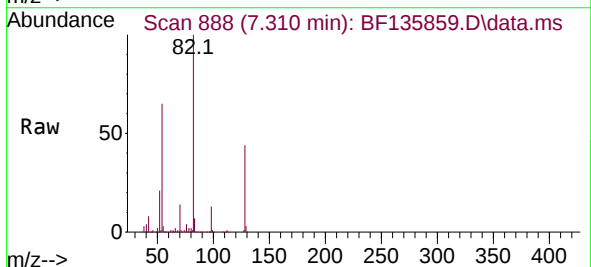
Instrument :
BNA_F
ClientSampleId :
FW9D

Tgt Ion: 99 Resp: 261047
Ion Ratio Lower Upper
99 100
42 22.5 18.4 27.6
71 34.1 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.983 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

Tgt Ion: 70 Resp: 79969
Ion Ratio Lower Upper
70 100
42 58.1 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#



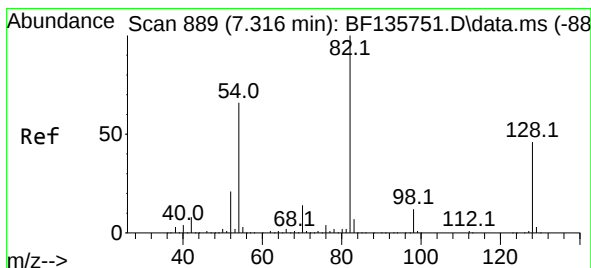
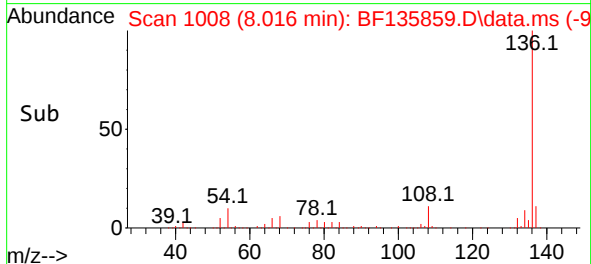
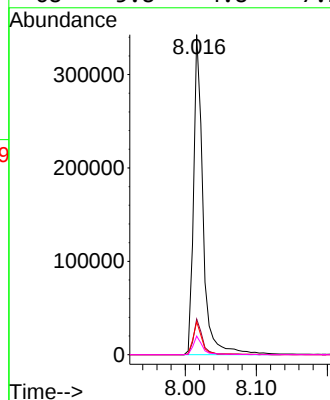
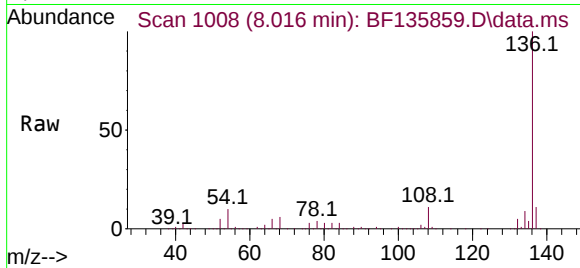


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

Instrument :
BNA_F
ClientSampleId :
FW9D

Tgt Ion:136 Resp: 317922

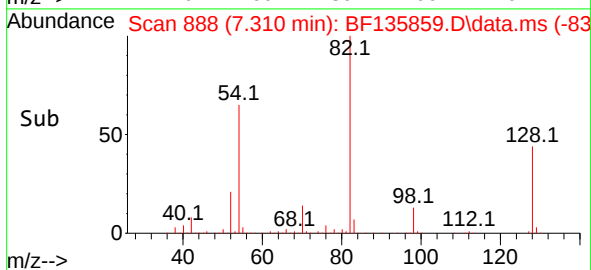
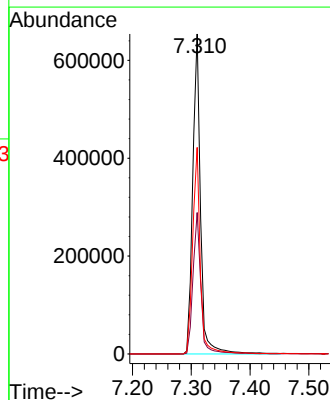
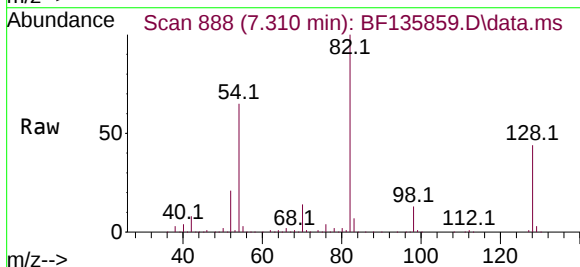
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.2	8.5	12.7
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 104.460 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

Tgt Ion: 82 Resp: 603828

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.0	55.6
54	64.5	52.8	79.2

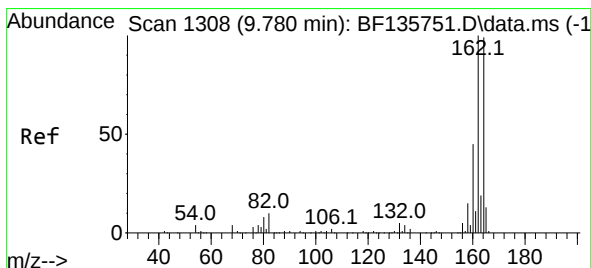
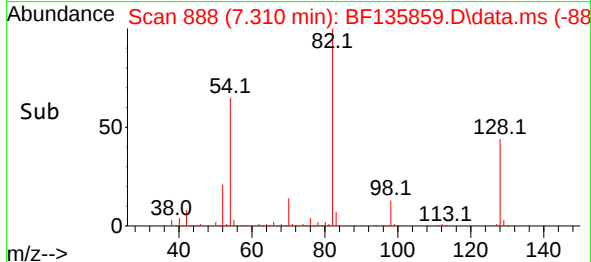
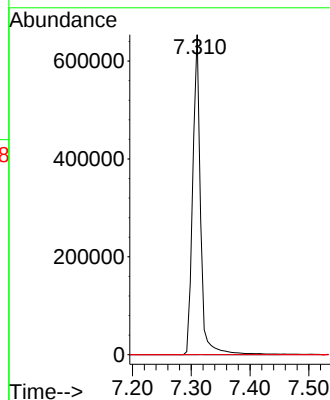
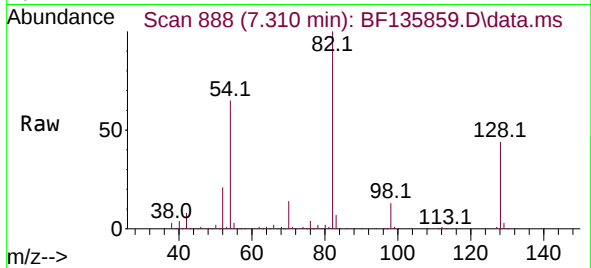




#25
Isophorone
Concen: 55.370 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

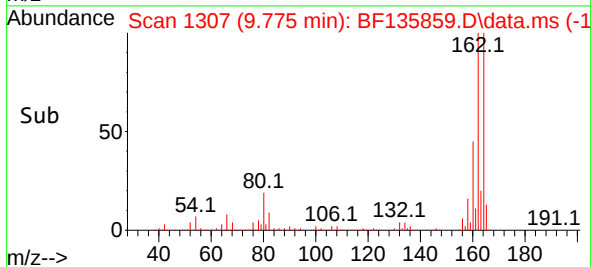
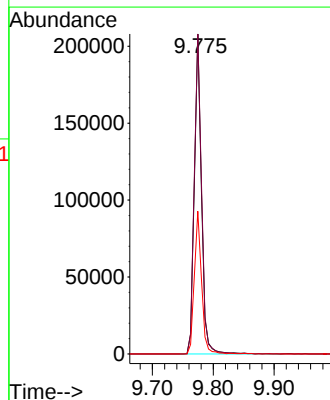
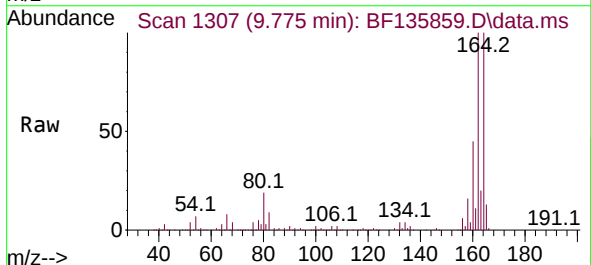
Instrument :
BNA_F
ClientSampleId :
FW9D

Tgt Ion: 82 Resp: 603828
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: BF135859.D
Acq: 18 Oct 2023 21:25

Tgt Ion:164 Resp: 168414
Ion Ratio Lower Upper
164 100
162 99.9 80.8 121.2
160 44.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 163.100 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135859.D

Acq: 18 Oct 2023 21:25

Instrument :

BNA_F

ClientSampleId :

FW9D

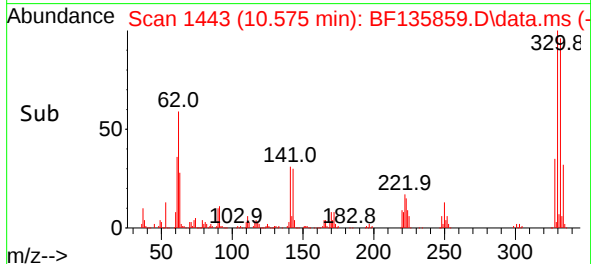
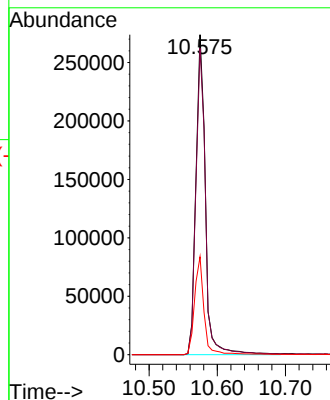
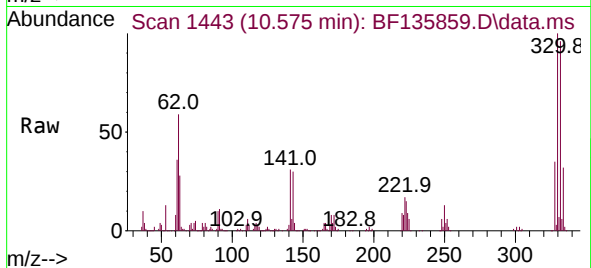
Tgt Ion:330 Resp: 263581

Ion Ratio Lower Upper

330 100

332 97.3 75.0 112.4

141 30.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 101.234 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135859.D

Acq: 18 Oct 2023 21:25

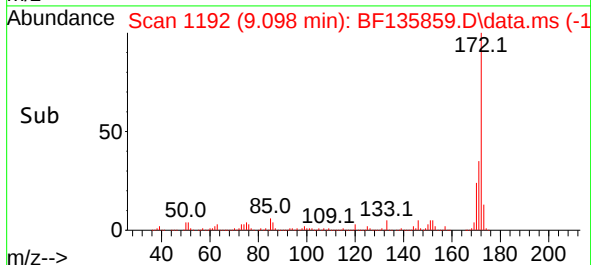
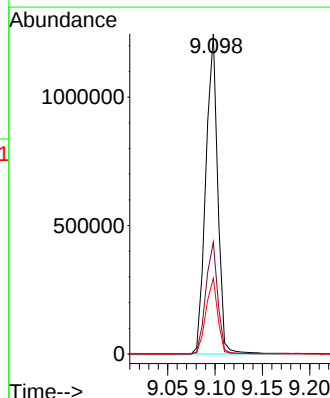
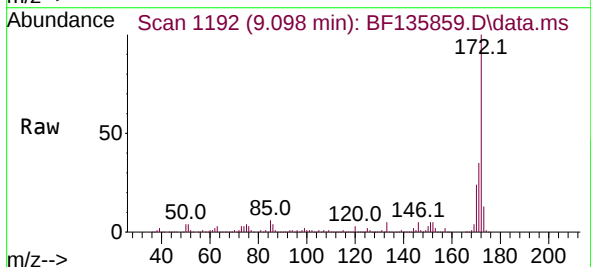
Tgt Ion:172 Resp: 1090448

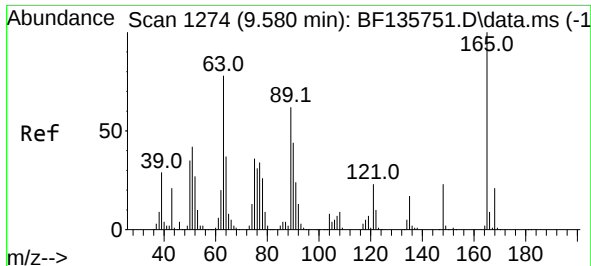
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.7 18.8 28.2

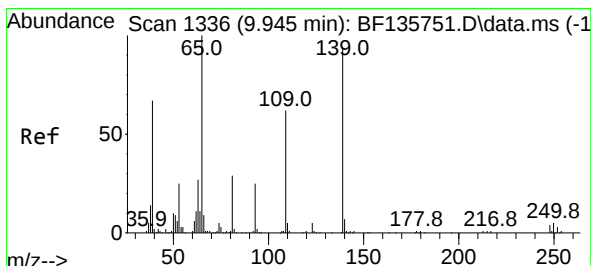
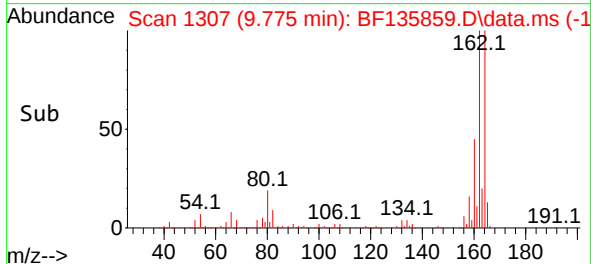
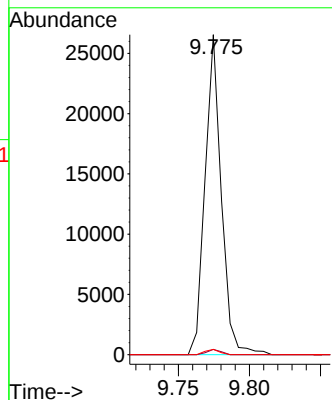
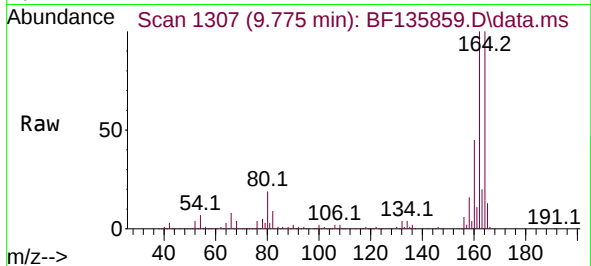




#51
2,6-Dinitrotoluene
Concen: 8.661 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

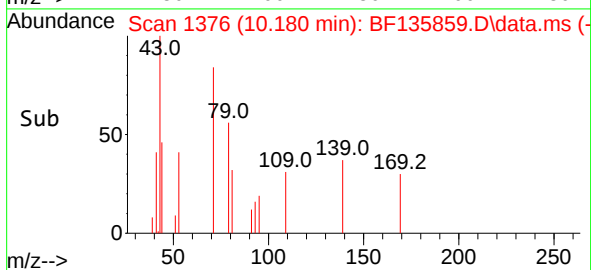
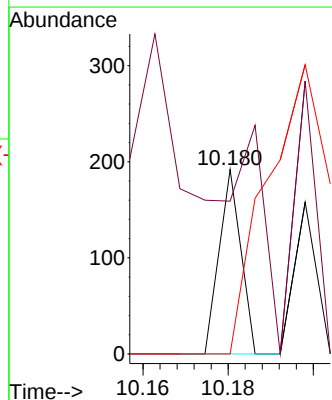
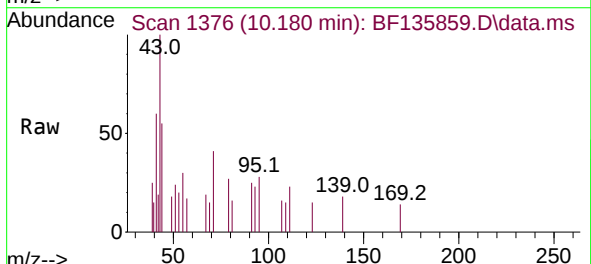
Instrument :
BNA_F
ClientSampleId :
FW9D

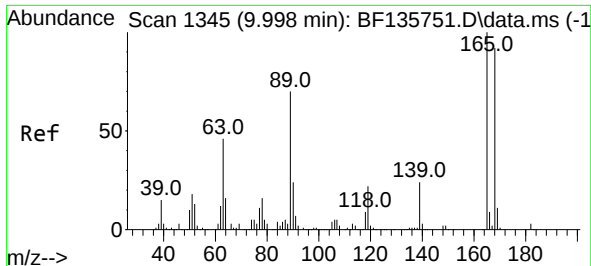
Tgt Ion:165 Resp: 21174
Ion Ratio Lower Upper
165 100
63 1.6 62.2 93.4#
89 1.7 49.6 74.4#



#56
4-Nitrophenol
Concen: 5.538 ng
RT: 10.180 min Scan# 1376
Delta R.T. 0.235 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

Tgt Ion:139 Resp: 68
Ion Ratio Lower Upper
139 100
109 82.8 45.6 85.6
65 0.0 87.5 127.5#

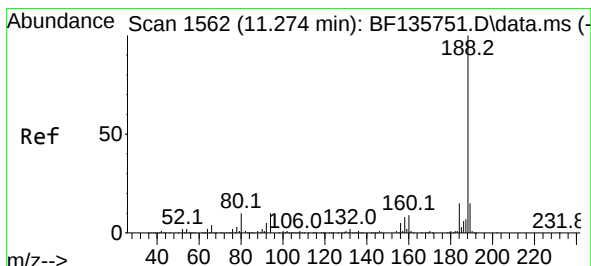
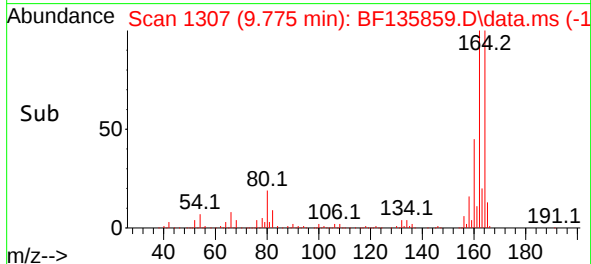
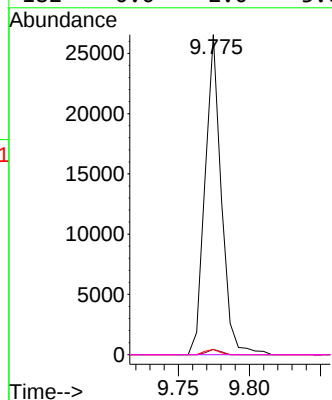
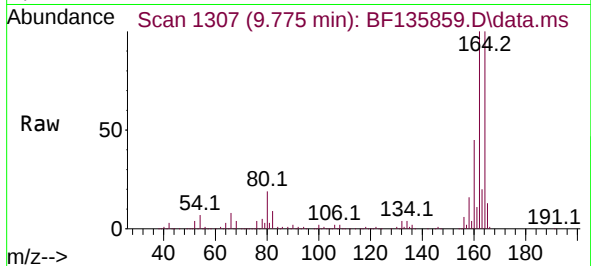




#57
2,4-Dinitrotoluene
Concen: 6.808 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

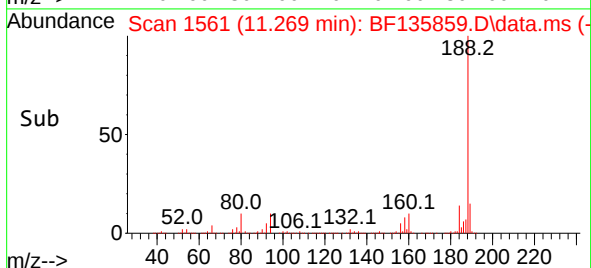
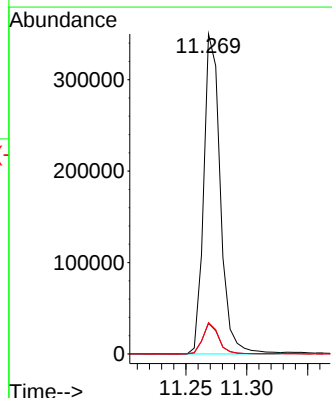
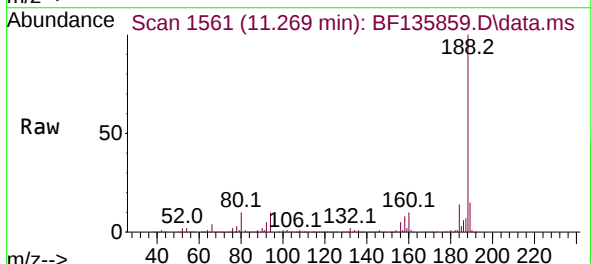
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BNA_F
ClientSampleId :
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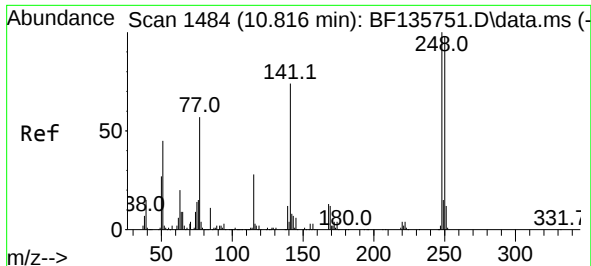
Tgt Ion:165 Resp: 21174
Ion Ratio Lower Upper
165 100
63 1.6 39.0 58.4#
89 1.7 55.9 83.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

Tgt Ion:188 Resp: 332939
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: 4.736 ng

RT: 10.575 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF135859.D

Acq: 18 Oct 2023 21:25

Instrument :

BNA_F

ClientSampleId :

FW9D

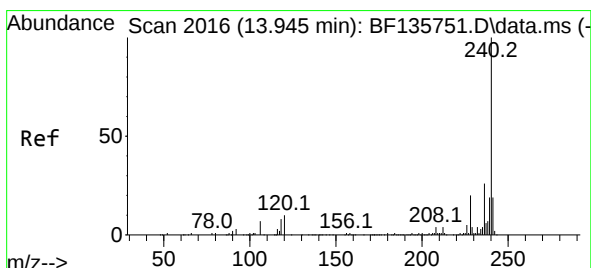
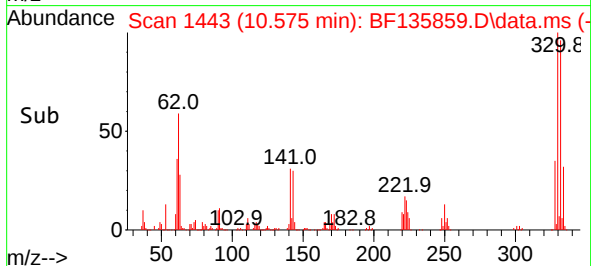
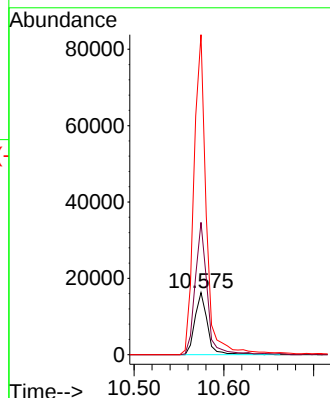
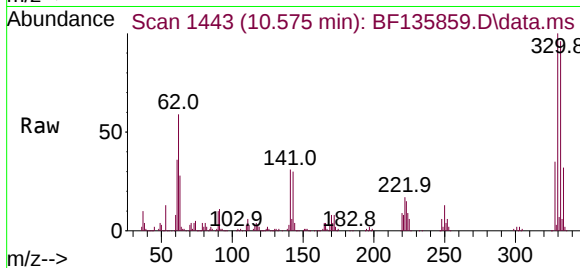
Tgt Ion:248 Resp: 15829

Ion Ratio Lower Upper

248 100

250 213.1 78.0 117.0#

141 515.3 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: BF135859.D

Acq: 18 Oct 2023 21:25

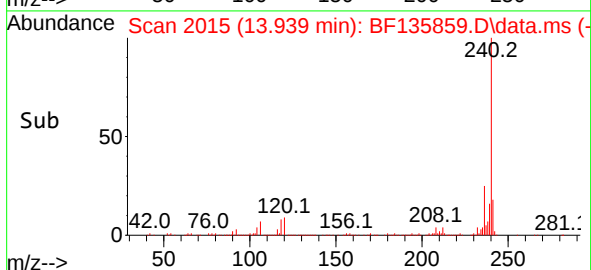
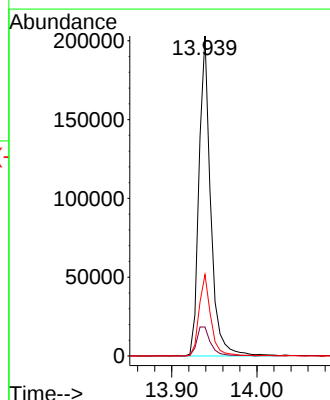
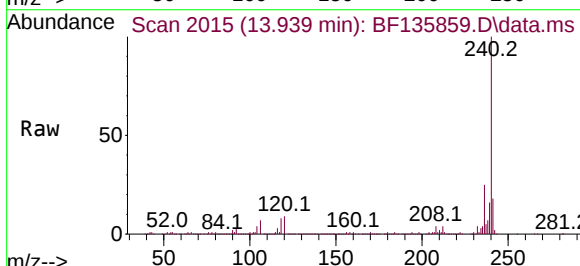
Tgt Ion:240 Resp: 193105

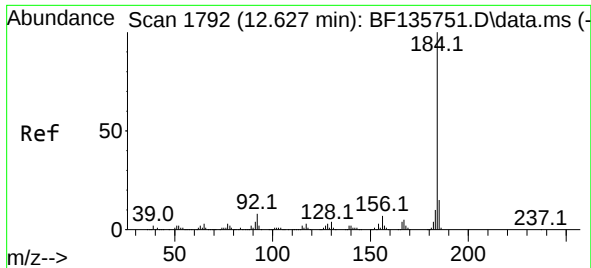
Ion Ratio Lower Upper

240 100

120 9.1 8.2 12.2

236 25.5 21.2 31.8

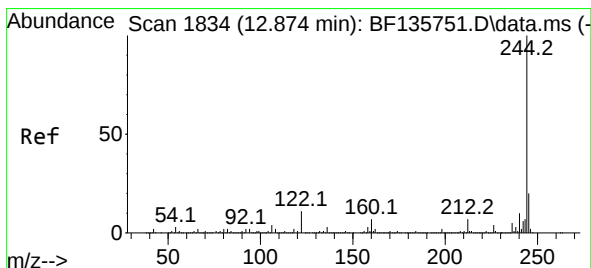
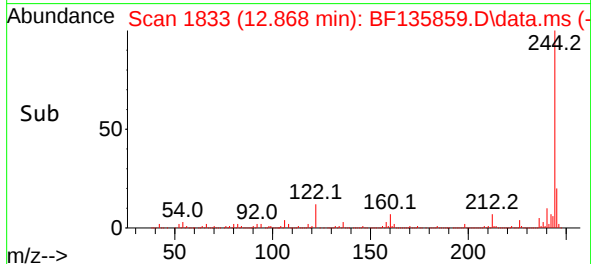
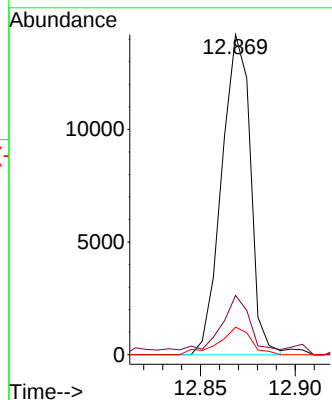
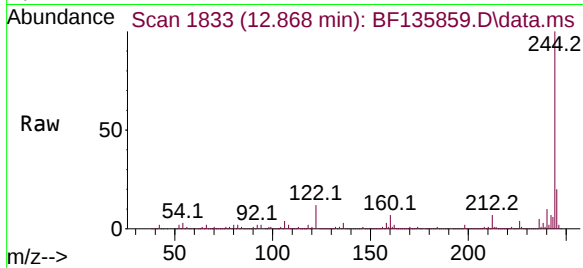




#77
Benzidine
Concen: 3.555 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.235 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

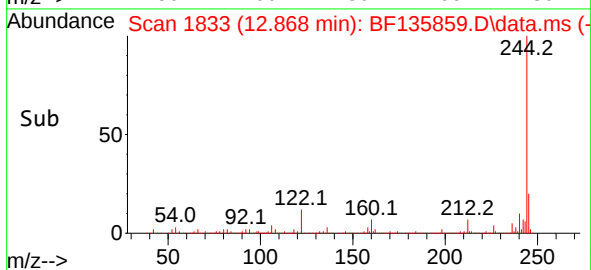
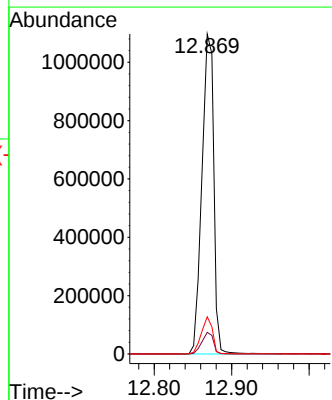
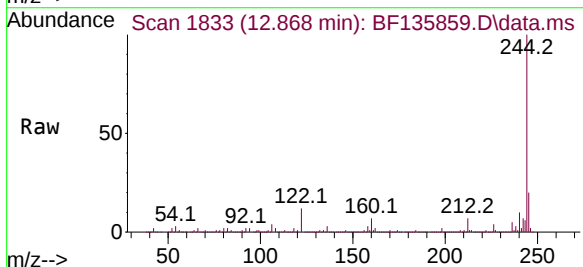
Instrument :
BNA_F
ClientSampleId :
FW9D

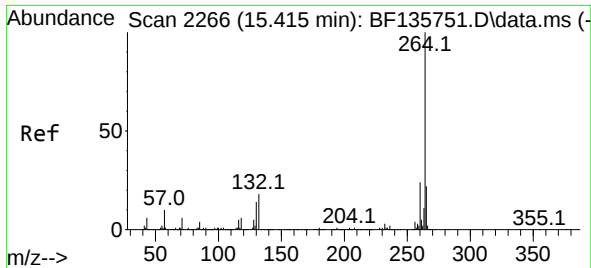
Tgt Ion:184 Resp: 14979
Ion Ratio Lower Upper
184 100
185 18.5 12.0 18.0#
183 8.6 8.2 12.2



#79
Terphenyl-d14
Concen: 111.811 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135859.D
Acq: 18 Oct 2023 21:25

Tgt Ion:244 Resp: 1165886
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 11.6 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: BF135859.D
 Acq: 18 Oct 2023 21:25

Instrument :
 BNA_F
 ClientSampleId :
 FW9D

Tgt Ion:264 Resp: 162120
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 21.8 17.4 26.2

