

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135875.D
 Acq On : 19 Oct 2023 05:30
 Operator : CG\JU
 Sample : 04740-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW4RE

Quant Time: Oct 19 05:53:09 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)

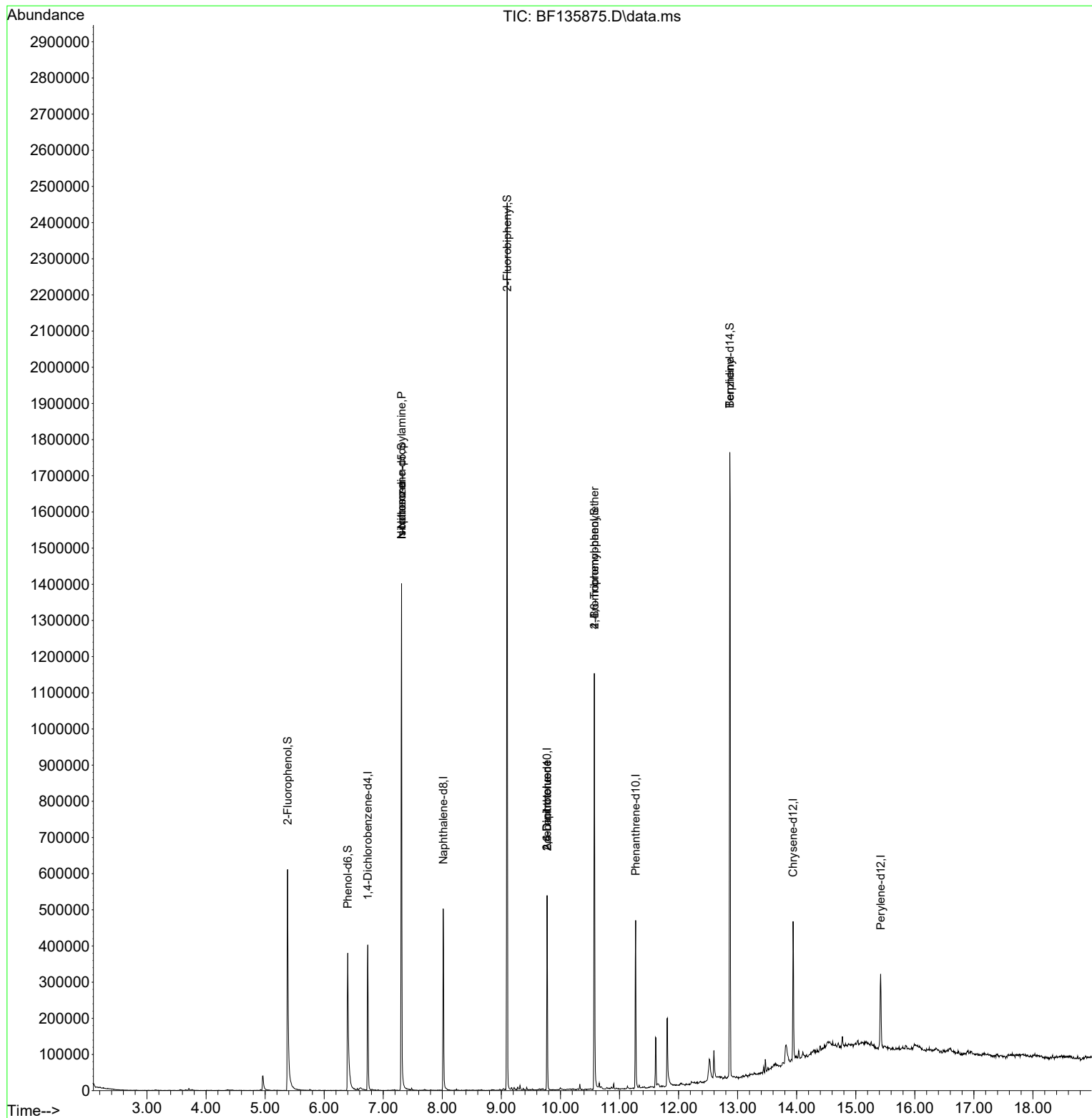
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	62072	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	217822	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	97967	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	166033	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	127917	20.000	ng	-0.01
86) Perylene-d12	15.421	264	94989	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	210055	54.407	ng	0.00
7) Phenol-d6	6.398	99	171809	35.666	ng	0.00
23) Nitrobenzene-d5	7.310	82	400134	101.032	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	129475	137.729	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	682401	108.908	ng	0.00
79) Terphenyl-d14	12.868	244	650235	94.137	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	51838	17.404	ng	# 73
25) Isophorone	7.310	82	400134	53.553	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	12600	8.860	ng	# 15
57) 2,4-Dinitrotoluene	9.775	165	12600	6.964	ng	# 23
67) 4-Bromophenyl-phenylether	10.575	248	7667	4.600	ng	# 1
77) Benzidine	12.868	184	8653	3.100	ng	# 92

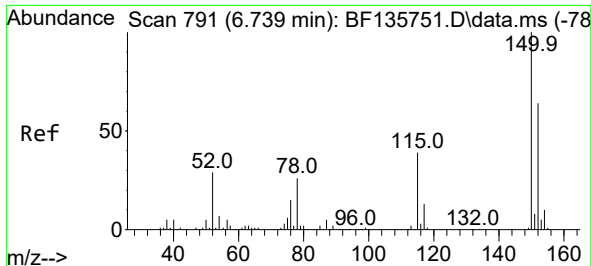
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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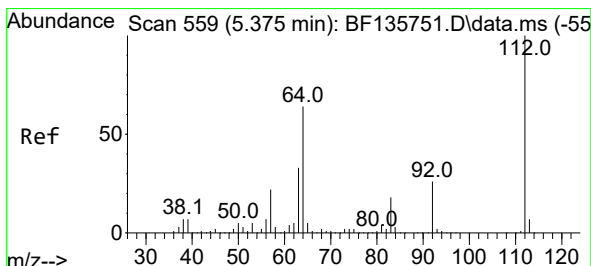
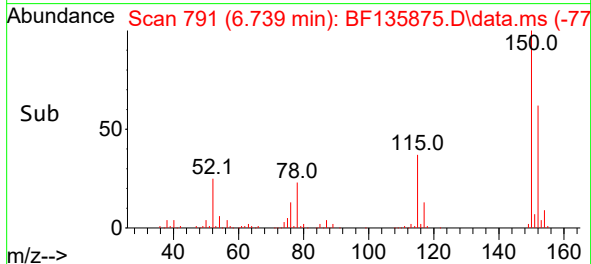
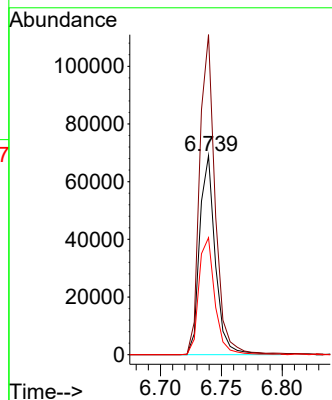
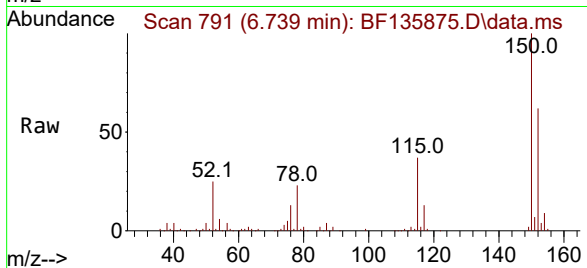




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

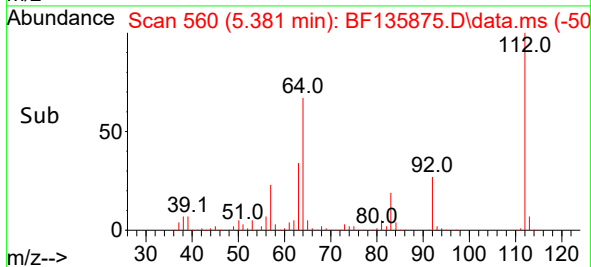
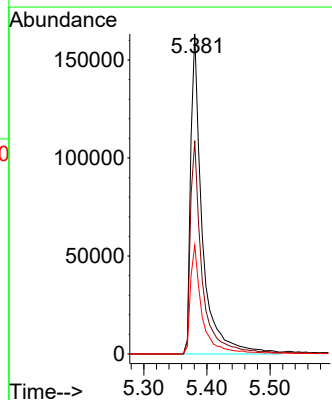
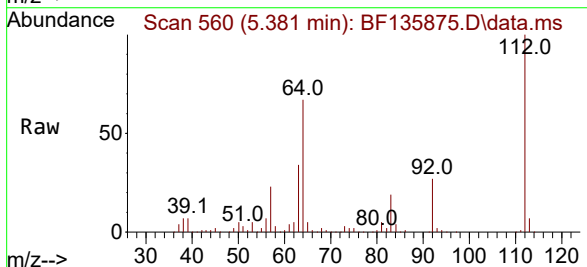
Instrument :
BNA_F
ClientSampleId :
RW4RE

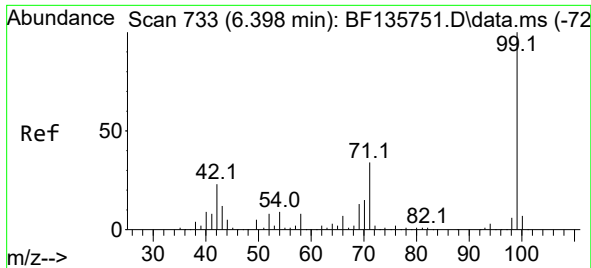
Tgt Ion:152 Resp: 62072
Ion Ratio Lower Upper
152 100
150 160.7 124.5 186.7
115 58.8 49.0 73.4



#5
2-Fluorophenol
Concen: 54.407 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

Tgt Ion:112 Resp: 210055
Ion Ratio Lower Upper
112 100
64 66.7 51.2 76.8
63 34.0 26.1 39.1

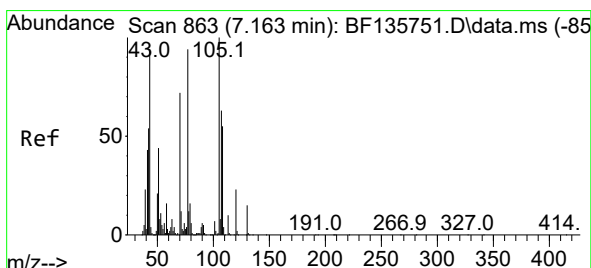
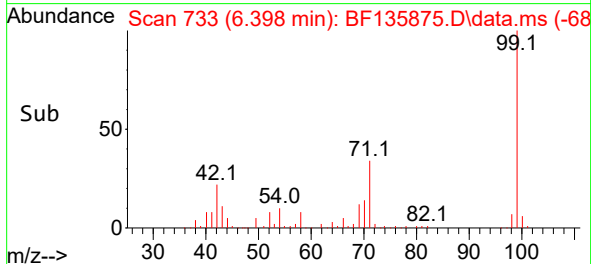
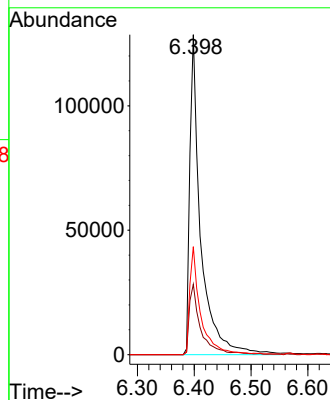
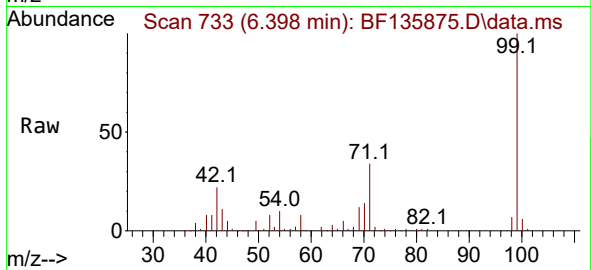




#7
Phenol-d6
Concen: 35.666 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

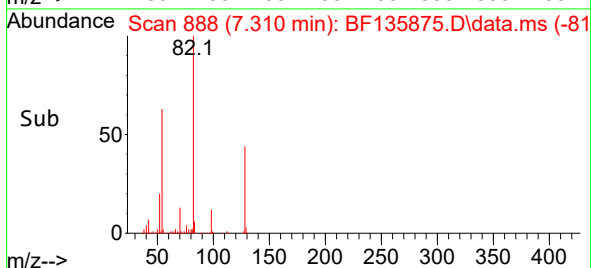
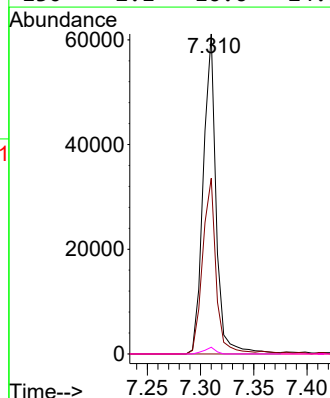
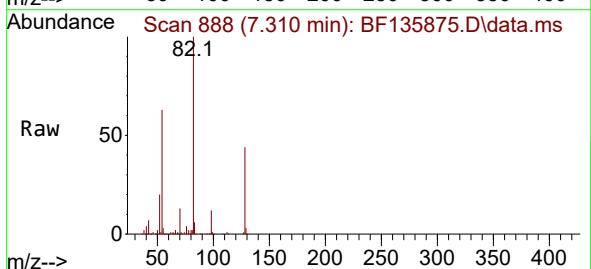
Instrument :
BNA_F
ClientSampleId :
RW4RE

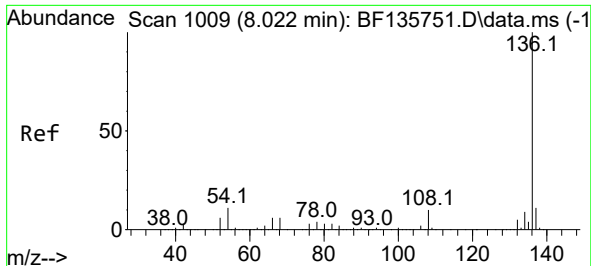
Tgt Ion: 99 Resp: 171809
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 33.7 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.404 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

Tgt Ion: 70 Resp: 51838
Ion Ratio Lower Upper
70 100
42 54.9 59.8 89.6#
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#



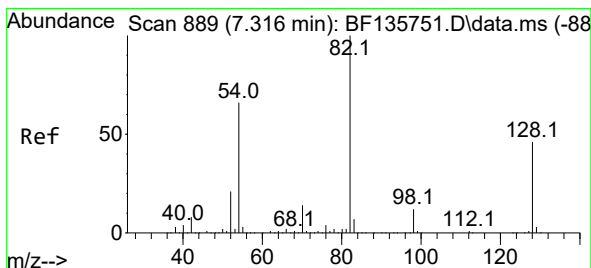
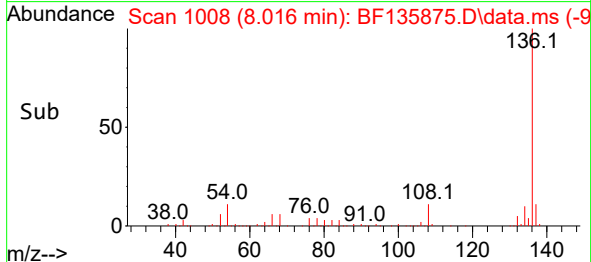
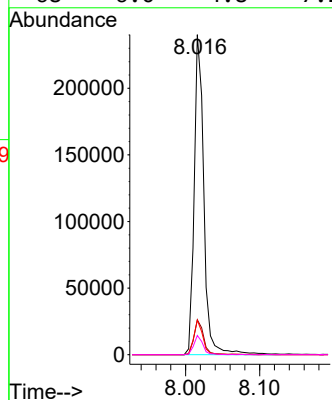
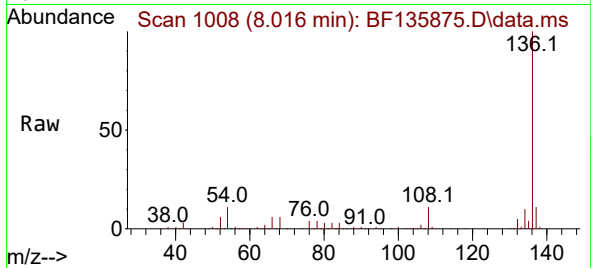


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

Instrument :
BNA_F
ClientSampleId :
RW4RE

Tgt Ion:136 Resp: 217822

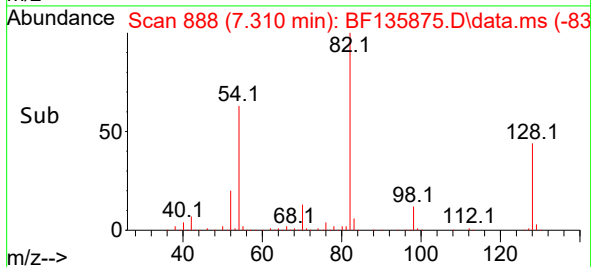
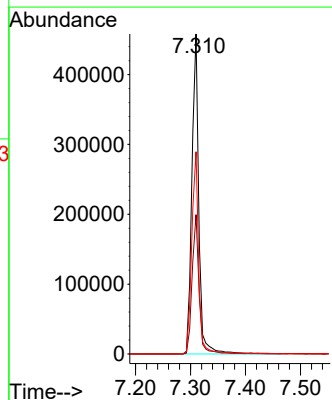
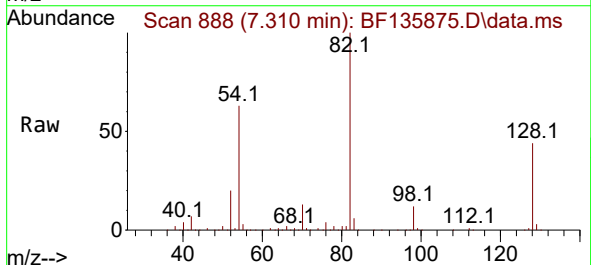
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.8	8.5	12.7
68	6.0	4.8	7.2

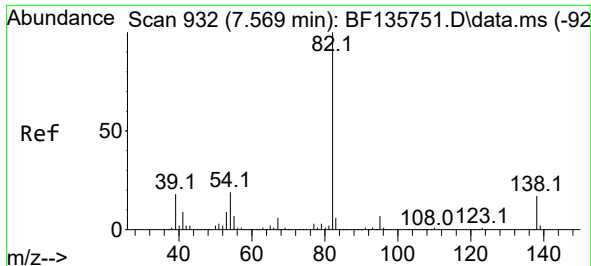


#23
Nitrobenzene-d5
Concen: 101.032 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

Tgt Ion: 82 Resp: 400134

Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.0	55.6
54	63.2	52.8	79.2

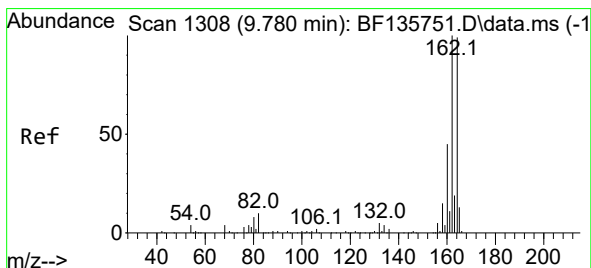
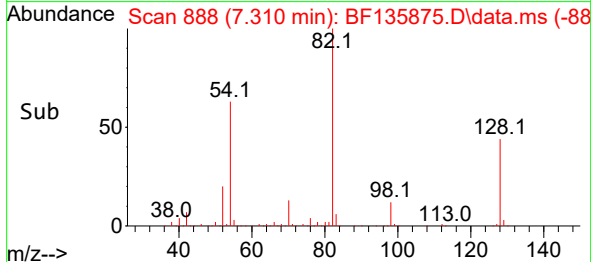
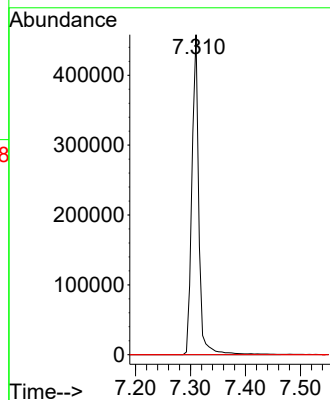
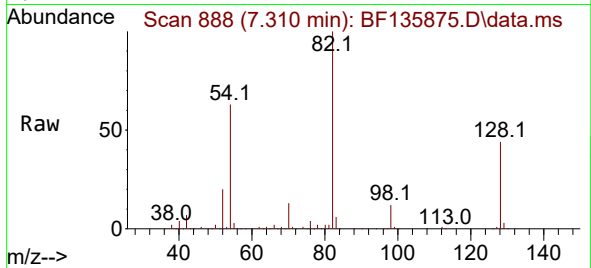




#25
Isophorone
Concen: 53.553 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

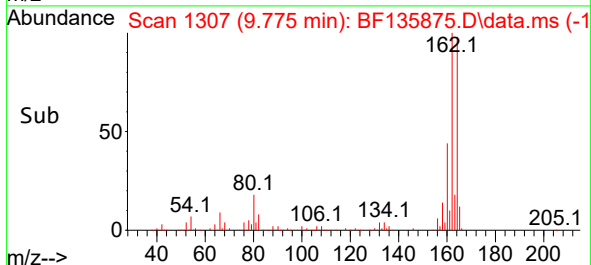
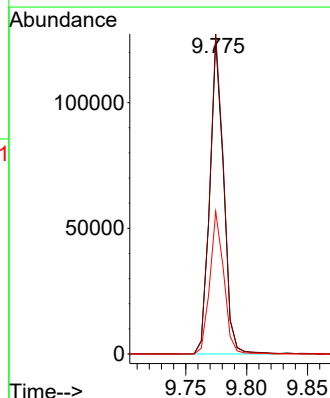
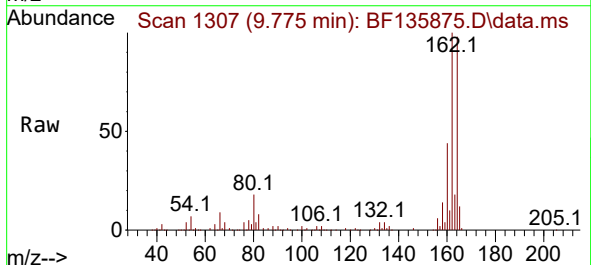
Instrument :
BNA_F
ClientSampleId :
RW4RE

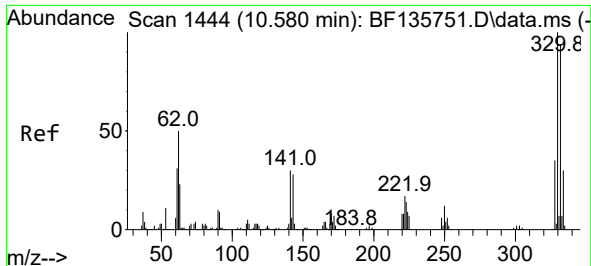
Tgt Ion: 82 Resp: 400134
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

Tgt Ion: 164 Resp: 97967
Ion Ratio Lower Upper
164 100
162 102.1 80.8 121.2
160 45.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 137.729 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135875.D

Acq: 19 Oct 2023 05:30

Instrument :

BNA_F

ClientSampleId :

RW4RE

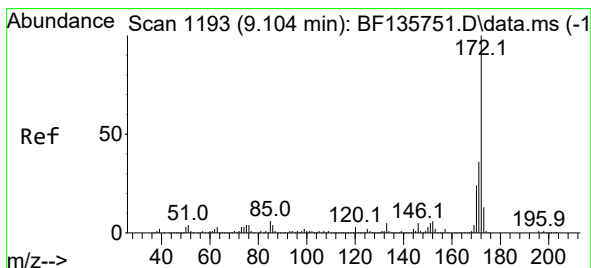
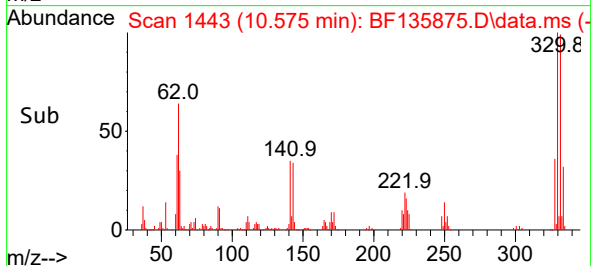
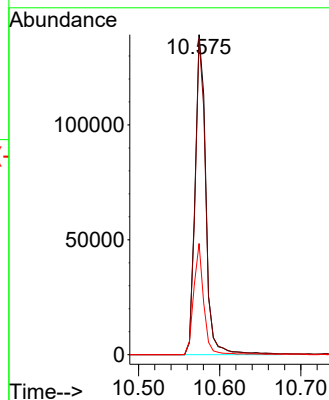
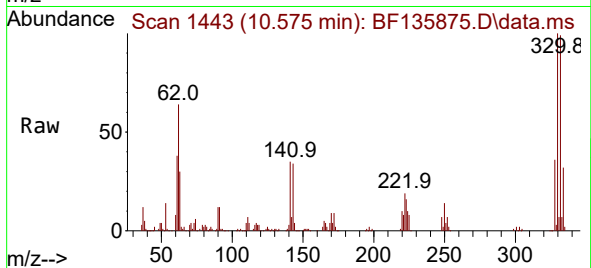
Tgt Ion:330 Resp: 129475

Ion Ratio Lower Upper

330 100

332 97.5 75.0 112.4

141 32.6 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 108.908 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135875.D

Acq: 19 Oct 2023 05:30

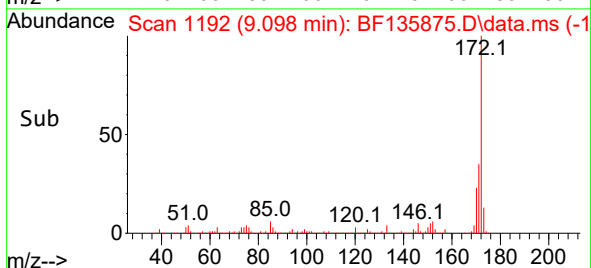
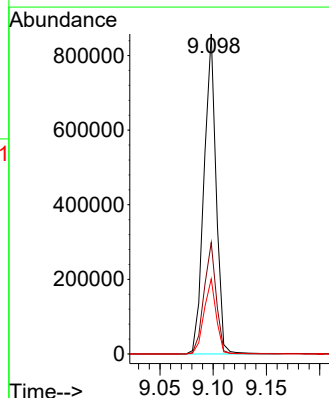
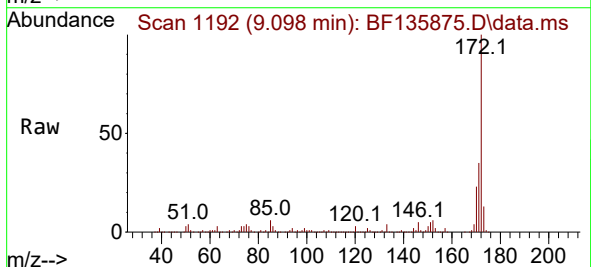
Tgt Ion:172 Resp: 682401

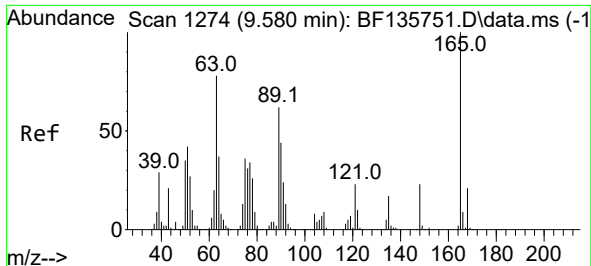
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.5 18.8 28.2

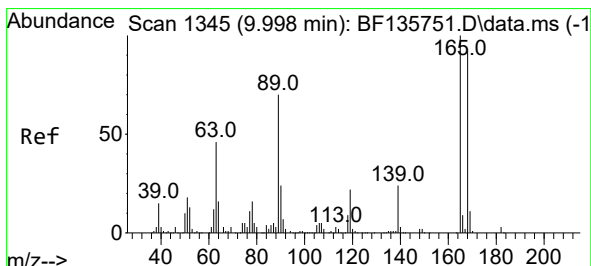
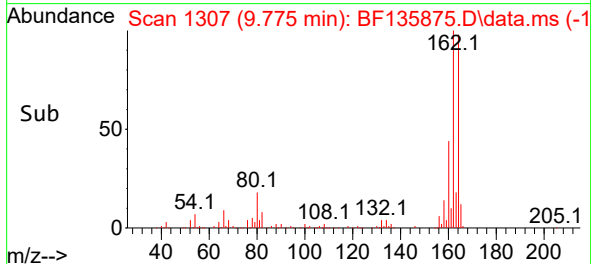
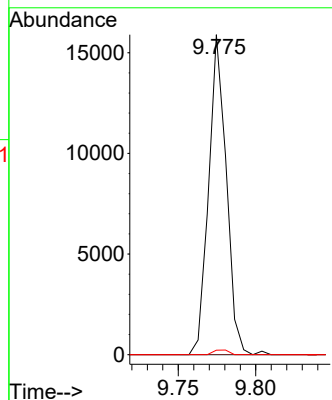
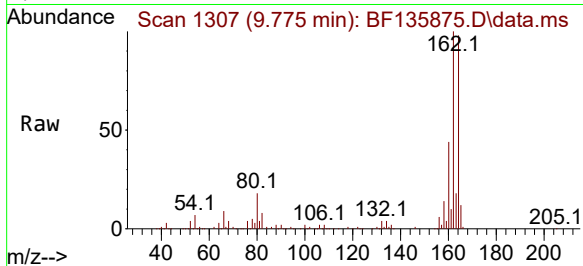




#51
2,6-Dinitrotoluene
Concen: 8.860 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

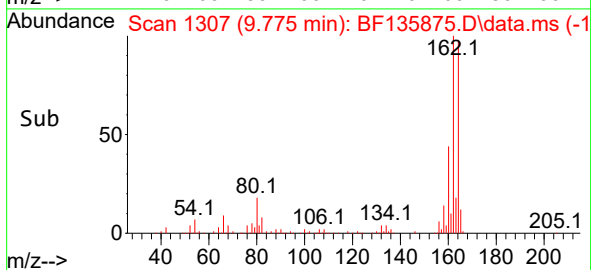
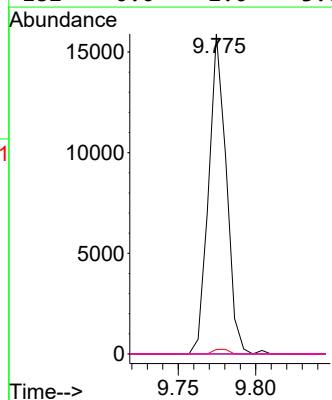
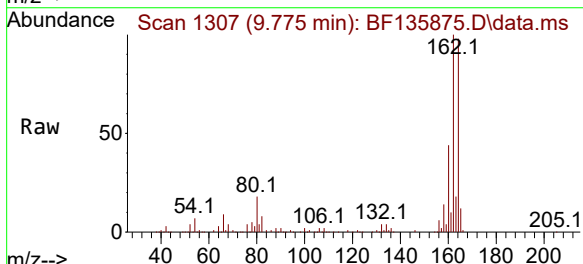
Instrument :
BNA_F
ClientSampleId :
RW4RE

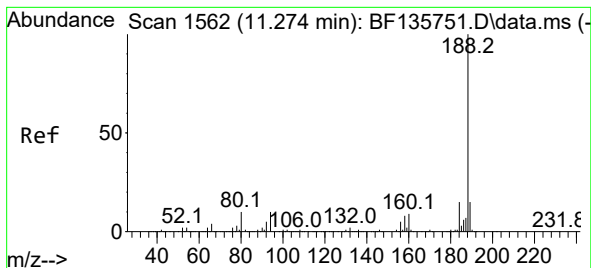
Tgt Ion:165 Resp: 12600
Ion Ratio Lower Upper
165 100
63 0.0 62.2 93.4#
89 1.4 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.964 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135875.D
Acq: 19 Oct 2023 05:30

Tgt Ion:165 Resp: 12600
Ion Ratio Lower Upper
165 100
63 0.0 39.0 58.4#
89 1.4 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135875.D

Acq: 19 Oct 2023 05:30

Instrument :

BNA_F

ClientSampleId :

RW4RE

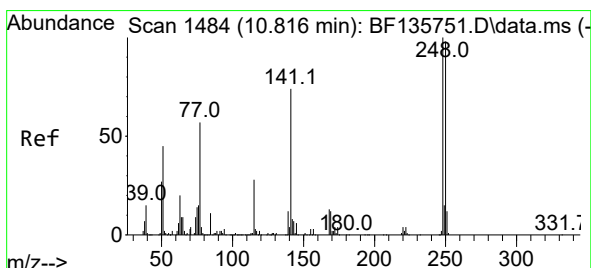
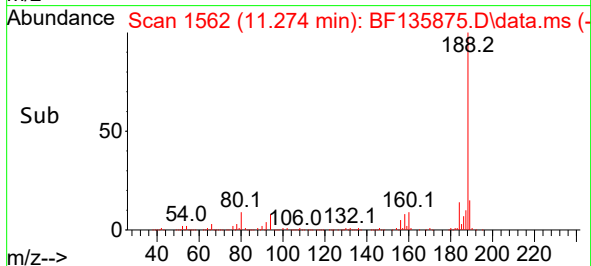
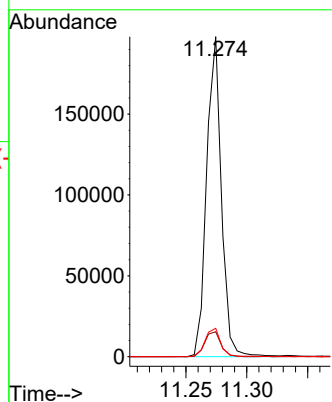
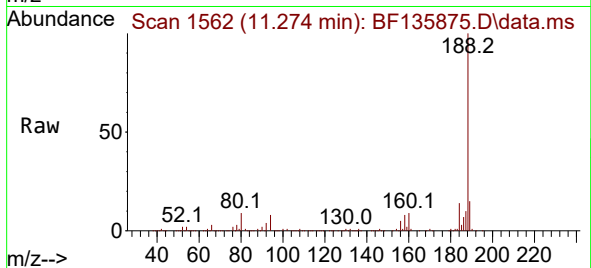
Tgt Ion:188 Resp: 166033

Ion Ratio Lower Upper

188 100

94 7.8 8.0 12.0#

80 8.8 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 4.600 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135875.D

Acq: 19 Oct 2023 05:30

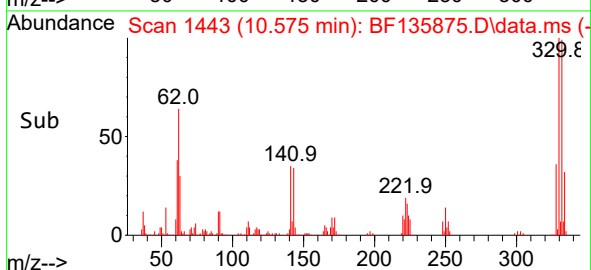
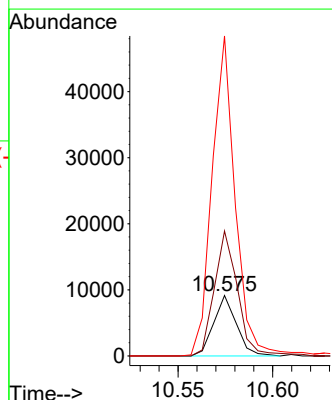
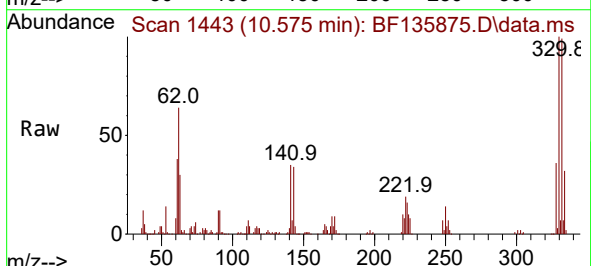
Tgt Ion:248 Resp: 7667

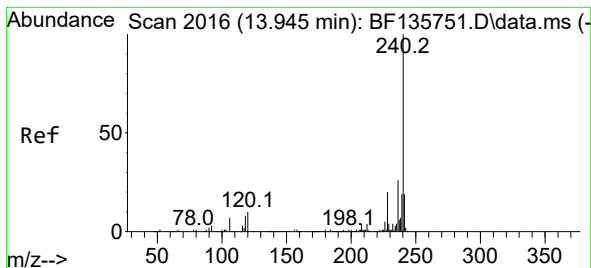
Ion Ratio Lower Upper

248 100

250 206.7 78.0 117.0#

141 529.7 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: BF135875.D

Acq: 19 Oct 2023 05:30

Instrument :

BNA_F

ClientSampleId :

RW4RE

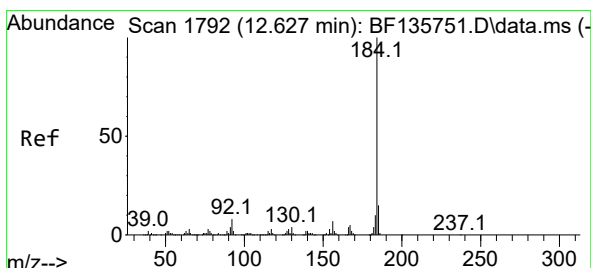
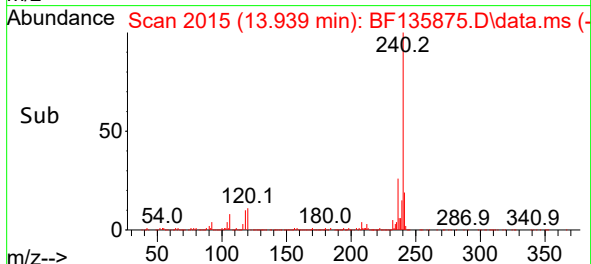
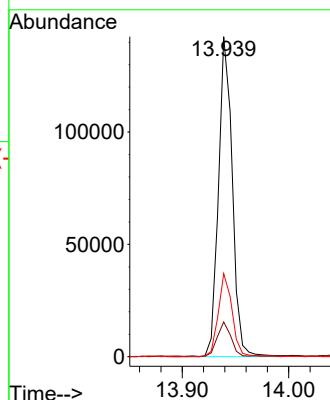
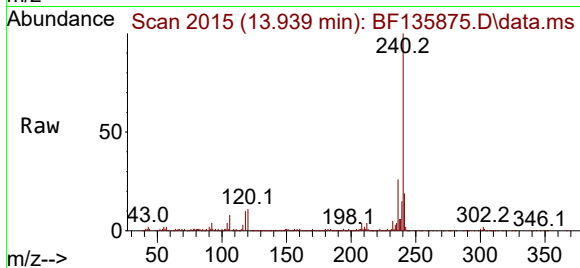
Tgt Ion:240 Resp: 127917

Ion Ratio Lower Upper

240 100

120 10.9 8.2 12.2

236 25.9 21.2 31.8



#77

Benzidine

Concen: 3.100 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135875.D

Acq: 19 Oct 2023 05:30

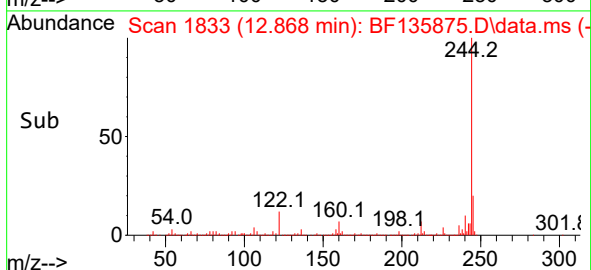
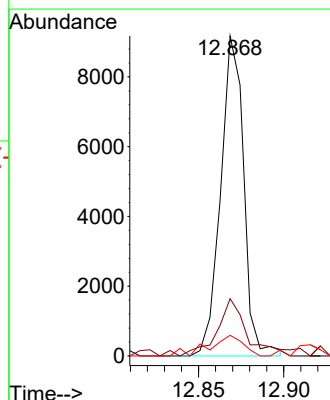
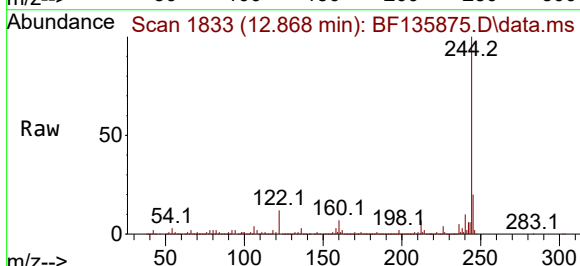
Tgt Ion:184 Resp: 8653

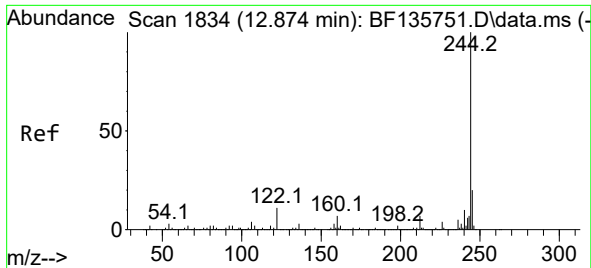
Ion Ratio Lower Upper

184 100

185 17.9 12.0 18.0

183 6.4 8.2 12.2#

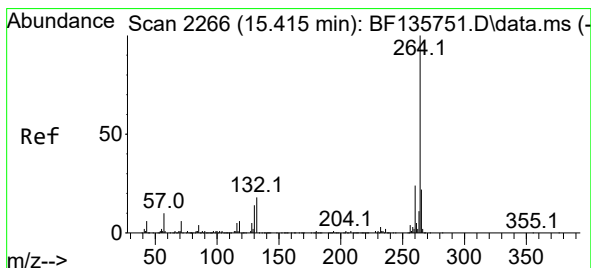
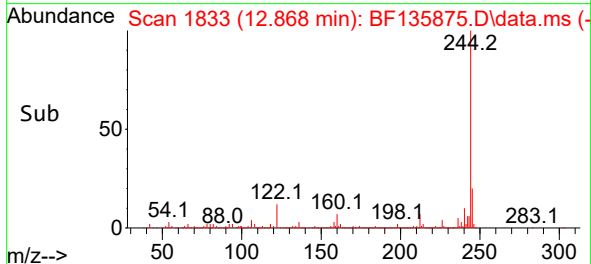
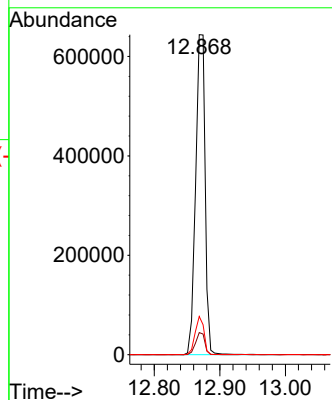
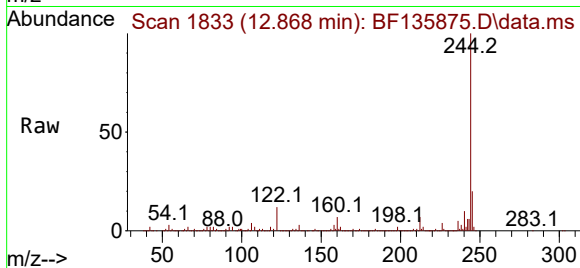




#79
 Terphenyl-d14
 Concen: 94.137 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135875.D
 Acq: 19 Oct 2023 05:30

Instrument :
 BNA_F
 ClientSampleId :
 RW4RE

Tgt Ion:244 Resp: 650235
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 12.0 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. -0.000 min
 Lab File: BF135875.D
 Acq: 19 Oct 2023 05:30

Tgt Ion:264 Resp: 94989
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 23.0 17.4 26.2

