

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052224\
 Data File : BF138006.D
 Acq On : 22 May 2024 15:50
 Operator : CG\JU
 Sample : P2538-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A852

Quant Time: May 22 16:15:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

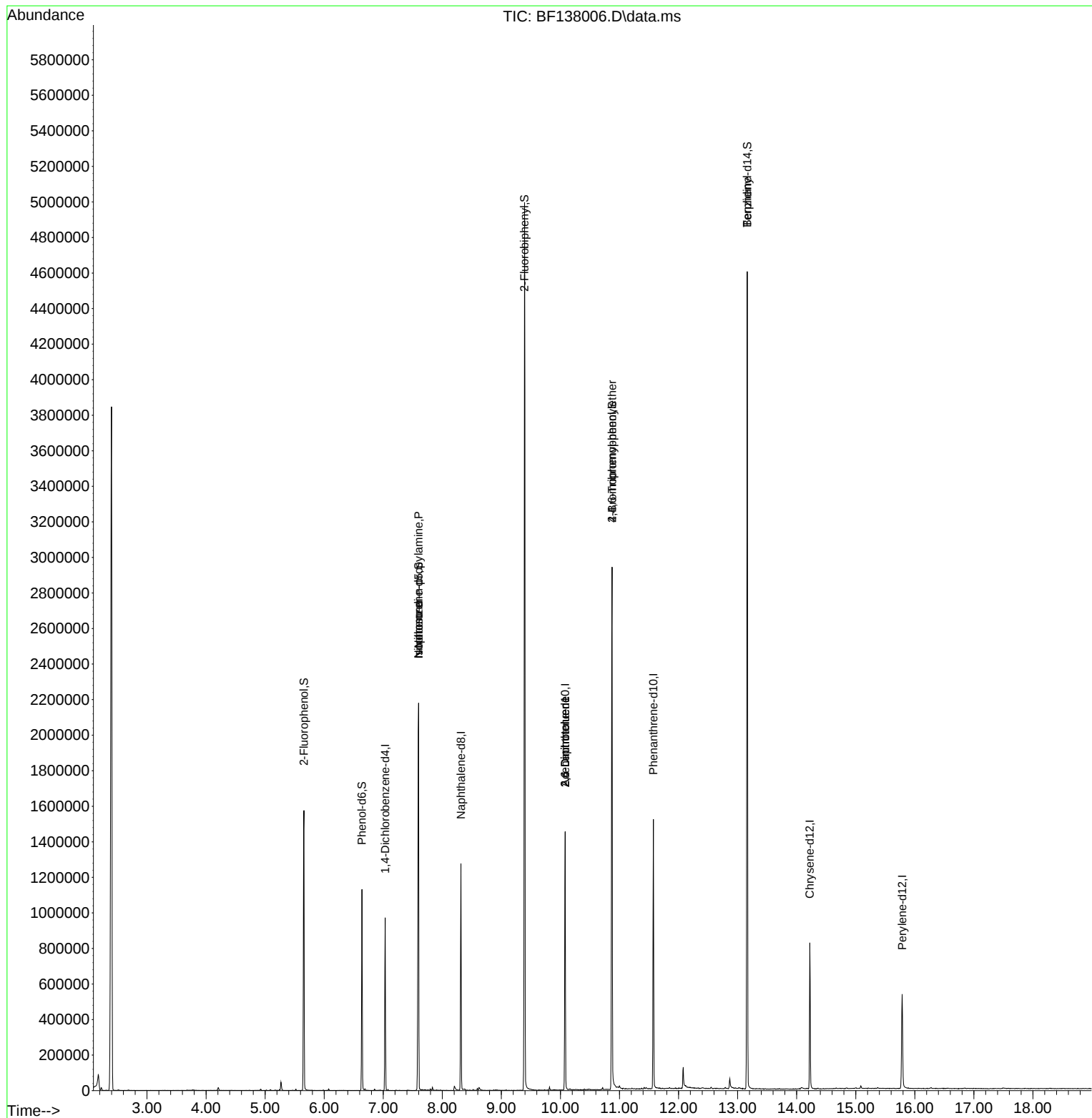
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	136763	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	524520	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	302769	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	524928	20.000	ng	0.00
76) Chrysene-d12	14.221	240	269282	20.000	ng	0.00
86) Perylene-d12	15.786	264	269103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	459034	57.014	ng	0.00
7) Phenol-d6	6.640	99	351775	35.469	ng	-0.02
23) Nitrobenzene-d5	7.598	82	763918	85.711	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	412703	135.188	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1629484	82.903	ng	0.00
79) Terphenyl-d14	13.163	244	1625838	88.983	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	100205	17.983	ng	# 74
25) Isophorone	7.598	82	763909	49.384	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	39043	8.960	ng	# 30
57) 2,4-Dinitrotoluene	10.080	165	39043	6.931	ng	# 34
67) 4-Bromophenyl-phenylether	10.875	248	25890	4.499	ng	# 1
77) Benzidine	13.163	184	19658	5.586	ng	# 93

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

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QLast Update : Wed May 15 04:12:16 2024
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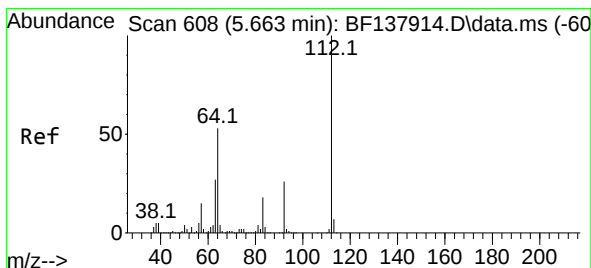
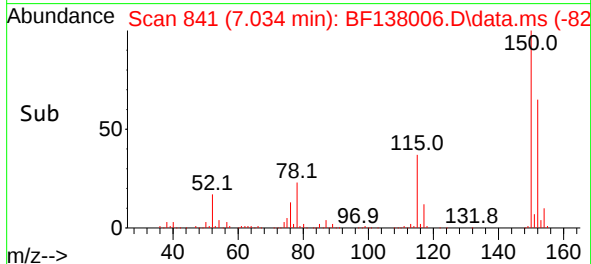
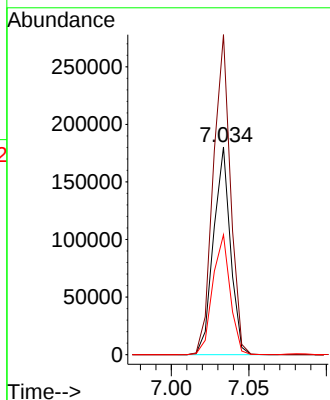
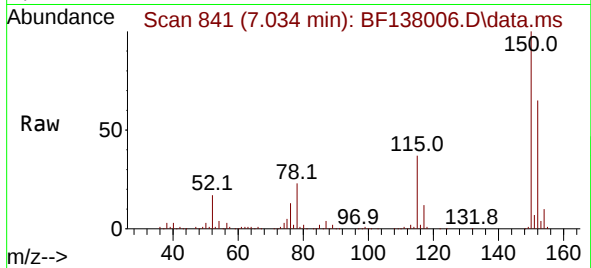




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

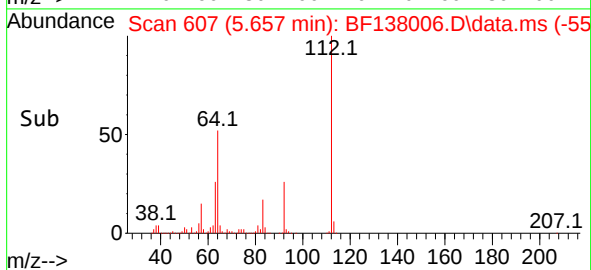
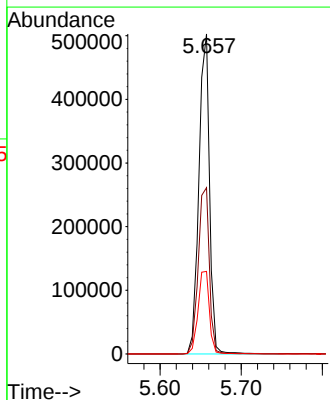
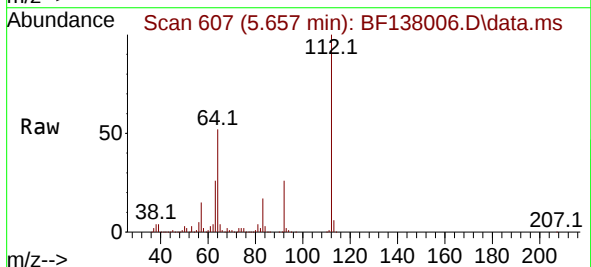
Instrument :
BNA_F
ClientSampleId :
A852

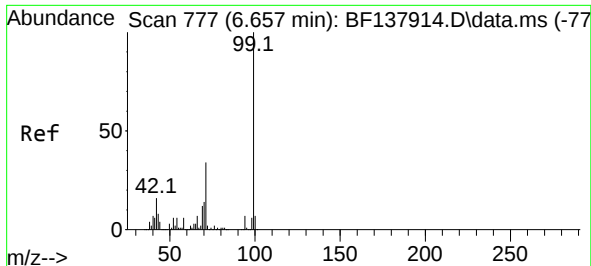
Tgt Ion:152 Resp: 136763
Ion Ratio Lower Upper
152 100
150 154.1 125.7 188.5
115 57.7 47.0 70.6



#5
2-Fluorophenol
Concen: 57.014 ng
RT: 5.657 min Scan# 607
Delta R.T. -0.006 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

Tgt Ion:112 Resp: 459034
Ion Ratio Lower Upper
112 100
64 51.9 42.4 63.6
63 25.8 21.4 32.2





#7
Phenol-d6
Concen: 35.469 ng
RT: 6.640 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

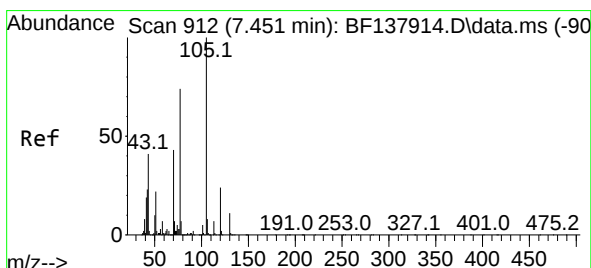
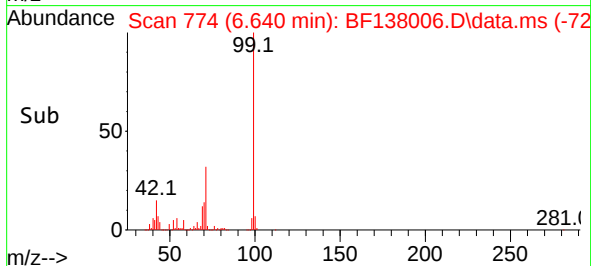
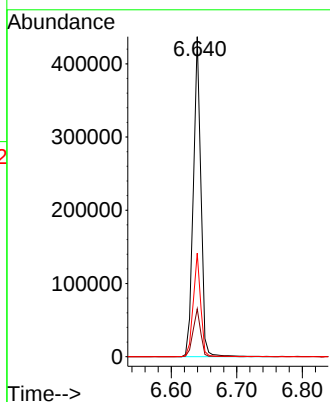
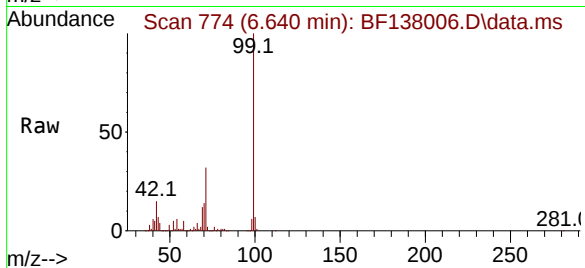
Instrument :

BNA_F

ClientSampleId :

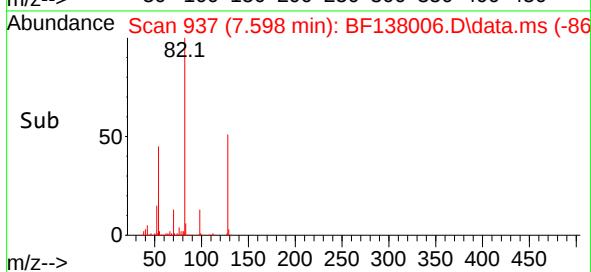
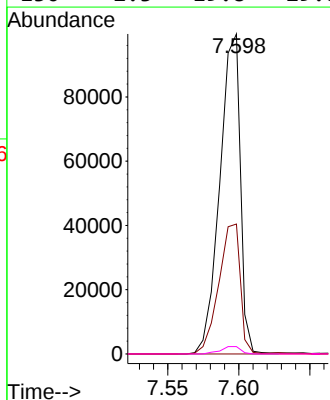
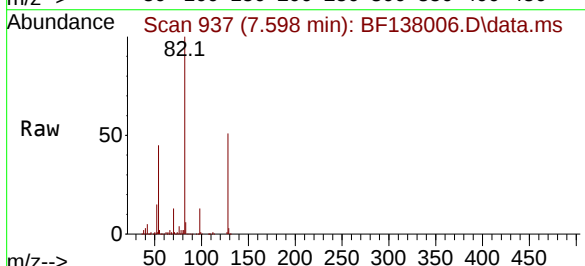
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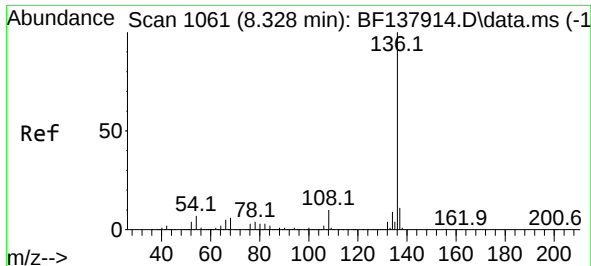
Tgt Ion: 99 Resp: 351775
Ion Ratio Lower Upper
99 100
42 15.0 12.6 18.8
71 32.4 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.983 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

Tgt Ion: 70 Resp: 100205
Ion Ratio Lower Upper
70 100
42 40.6 42.2 63.4#
101 0.0 8.8 13.2#
130 2.3 19.8 29.8#

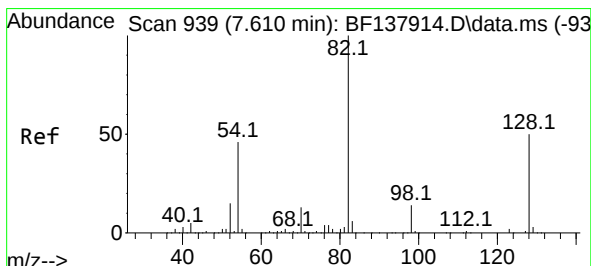
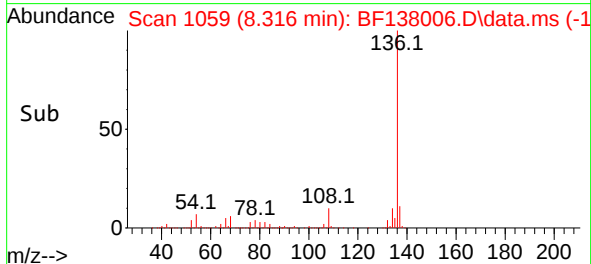
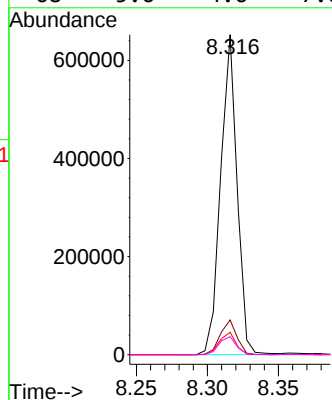
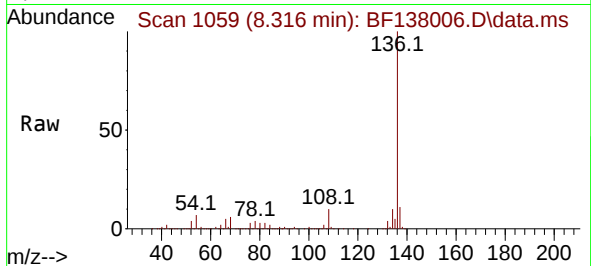




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

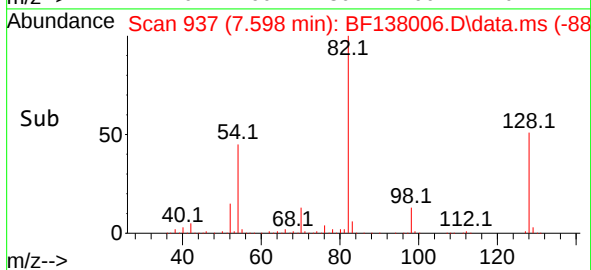
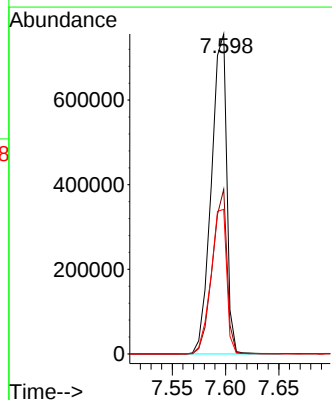
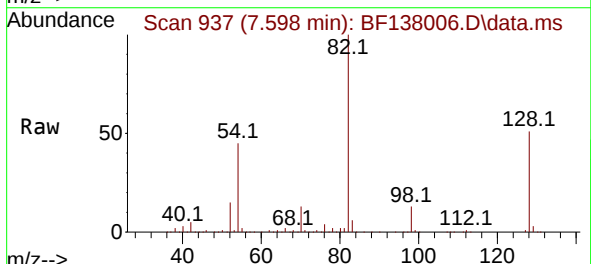
Instrument :
BNA_F
ClientSampleId :
A852

Tgt Ion:	136	Resp:	524520
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.0	5.4	8.2
68	5.6	4.6	7.0



#23
Nitrobenzene-d5
Concen: 85.711 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

Tgt Ion:	82	Resp:	763918
Ion	Ratio	Lower	Upper
82	100		
128	51.5	40.3	60.5
54	45.2	36.8	55.2

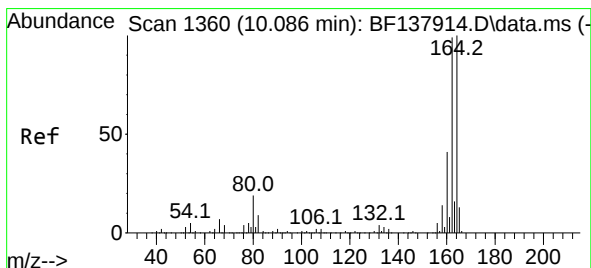
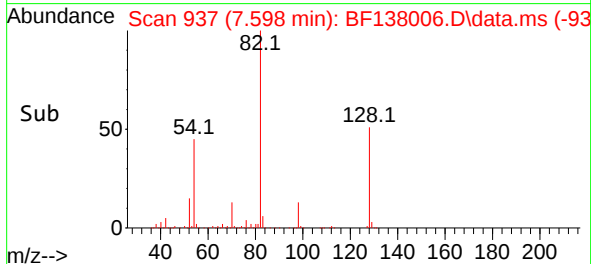
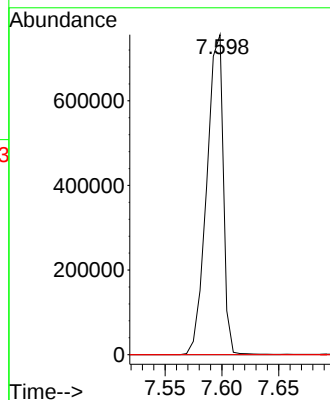
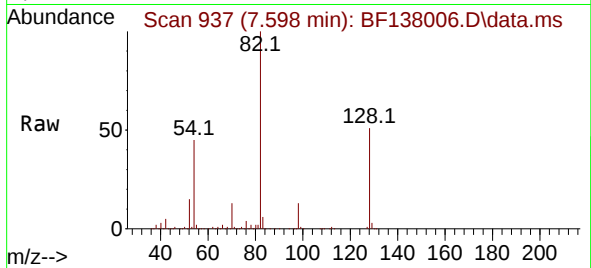




#25
Isophorone
Concen: 49.384 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

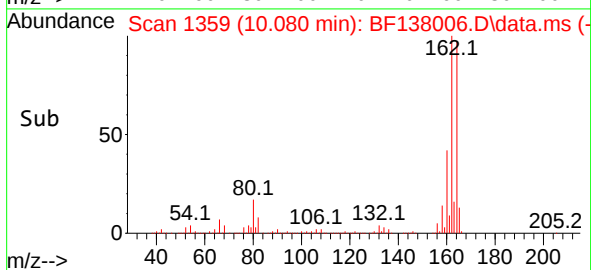
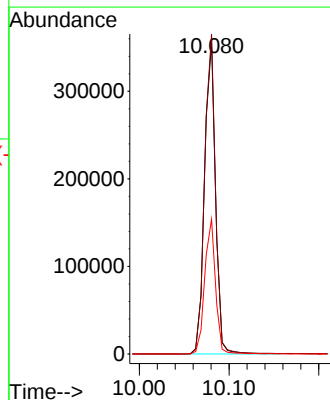
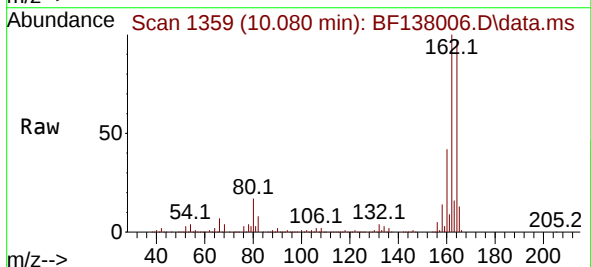
Instrument :
BNA_F
ClientSampleId :
A852

Tgt Ion: 82 Resp: 763909
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

Tgt Ion:164 Resp: 302769
Ion Ratio Lower Upper
164 100
162 102.6 79.4 119.2
160 43.2 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 135.188 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF138006.D

Acq: 22 May 2024 15:50

Instrument :

BNA_F

ClientSampleId :

A852

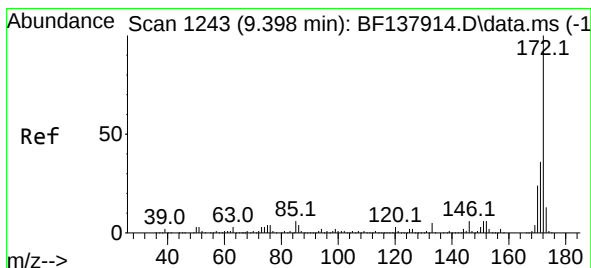
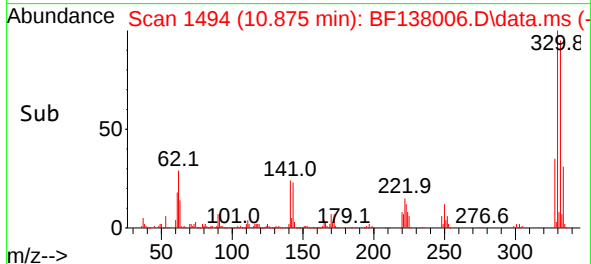
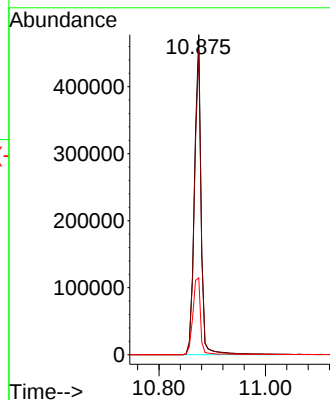
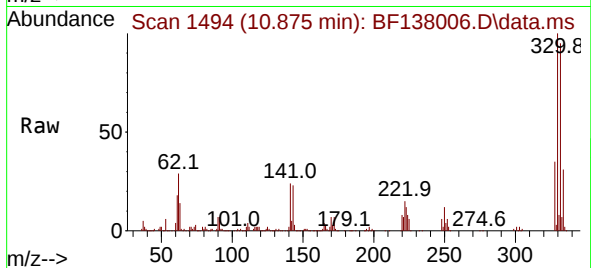
Tgt Ion:330 Resp: 412703

Ion Ratio Lower Upper

330 100

332 96.1 75.8 113.8

141 27.6 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 82.903 ng

RT: 9.392 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF138006.D

Acq: 22 May 2024 15:50

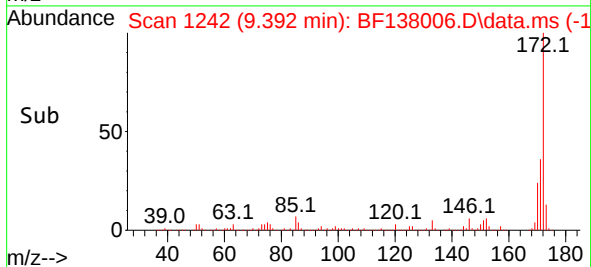
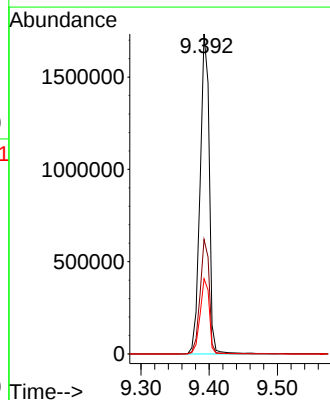
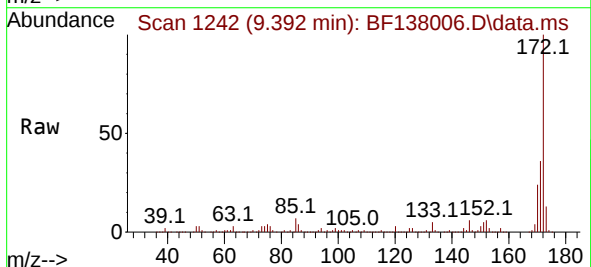
Tgt Ion:172 Resp: 1629484

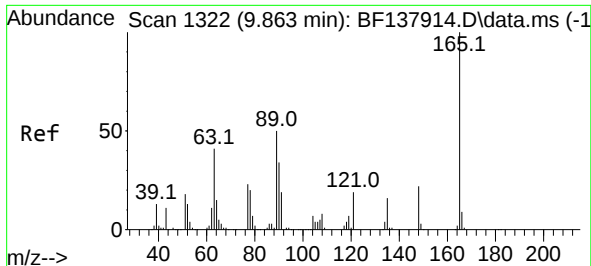
Ion Ratio Lower Upper

172 100

171 35.8 28.9 43.3

170 23.5 18.9 28.3

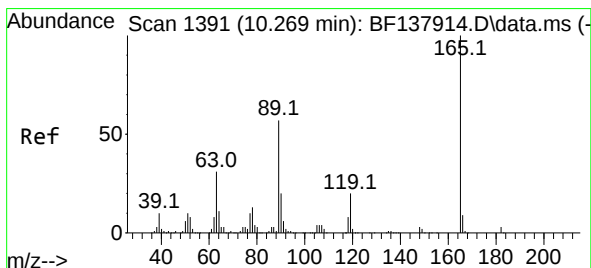
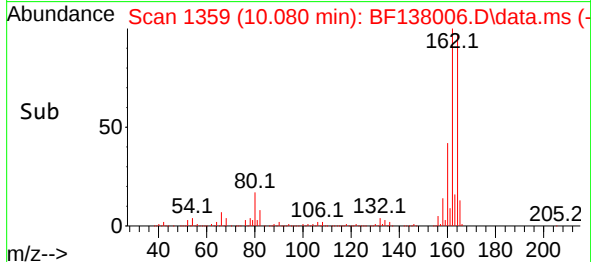
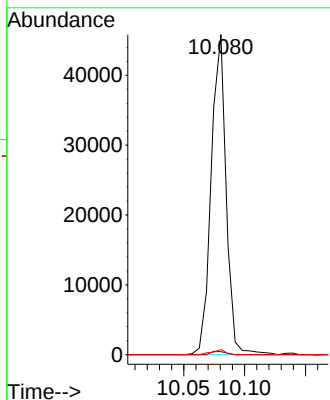
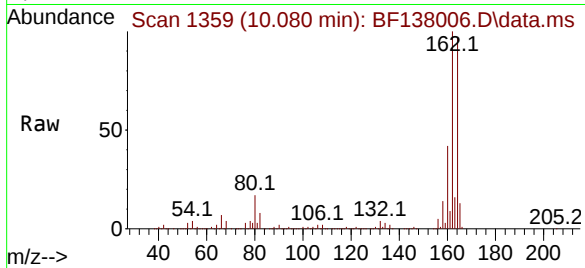




#51
2,6-Dinitrotoluene
Concen: 8.960 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.218 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

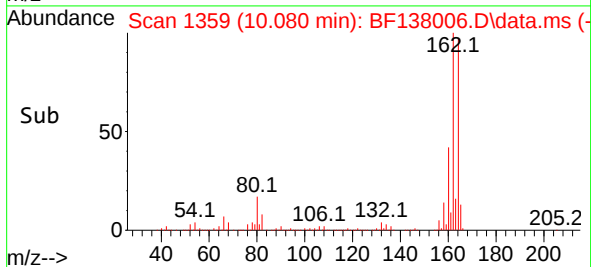
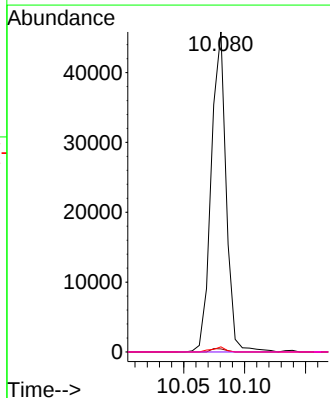
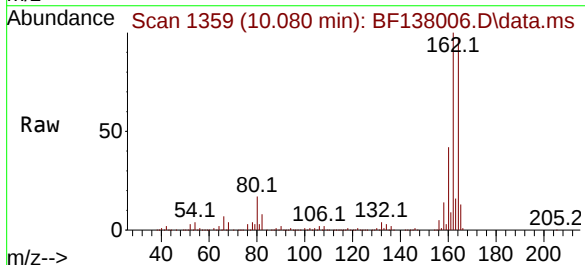
Instrument :
BNA_F
ClientSampleId :
A852

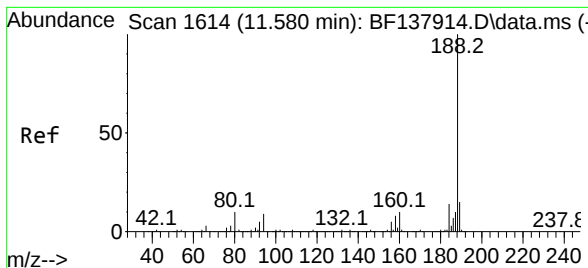
Tgt Ion:165 Resp: 39043
Ion Ratio Lower Upper
165 100
63 1.0 38.9 58.3#
89 1.6 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 6.931 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF138006.D
Acq: 22 May 2024 15:50

Tgt Ion:165 Resp: 39043
Ion Ratio Lower Upper
165 100
63 1.0 25.3 37.9#
89 1.6 45.9 68.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138006.D

Acq: 22 May 2024 15:50

Instrument :

BNA_F

ClientSampleId :

A852

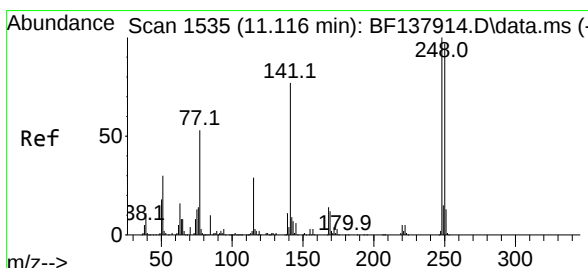
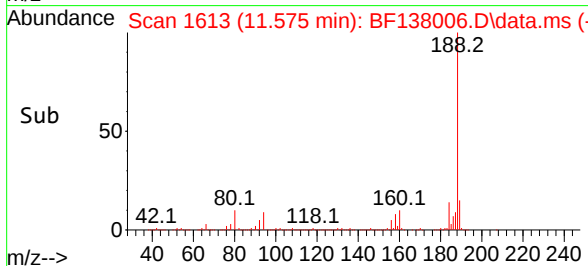
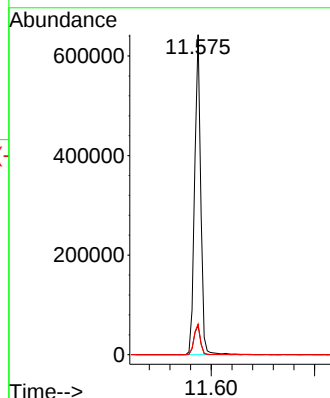
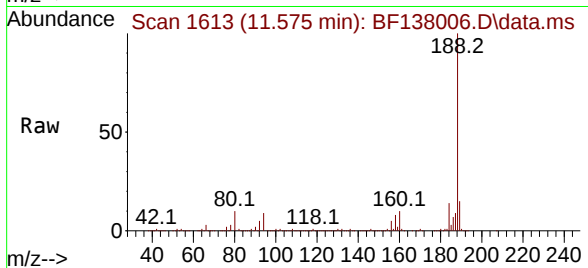
Tgt Ion:188 Resp: 524928

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

80 9.6 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.499 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF138006.D

Acq: 22 May 2024 15:50

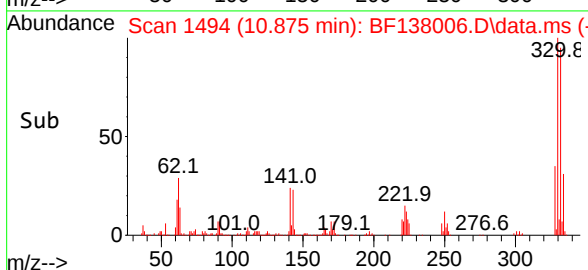
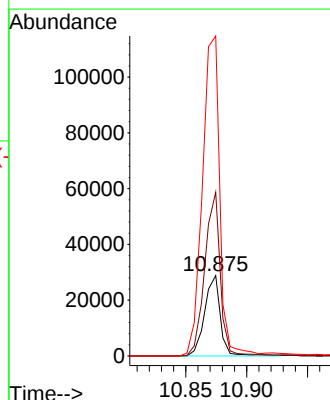
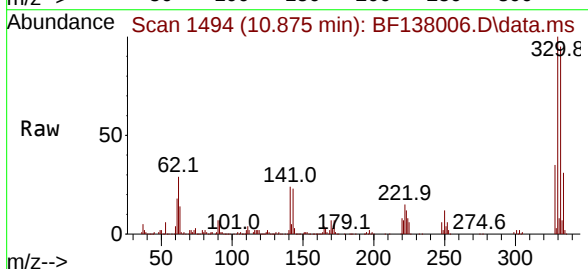
Tgt Ion:248 Resp: 25890

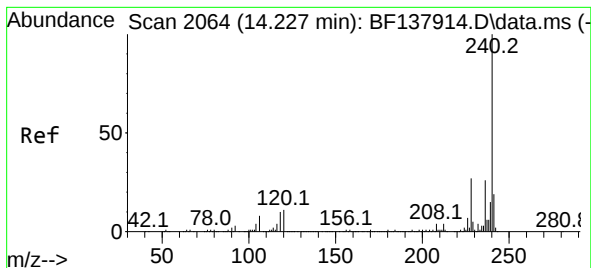
Ion Ratio Lower Upper

248 100

250 203.8 77.6 116.4#

141 398.2 61.4 92.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.221 min Scan# 2063

Delta R.T. -0.006 min

Lab File: BF138006.D

Acq: 22 May 2024 15:50

Instrument :

BNA_F

ClientSampleId :

A852

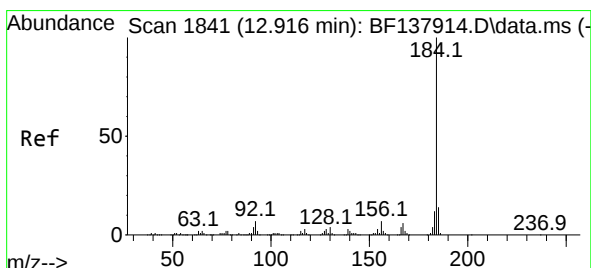
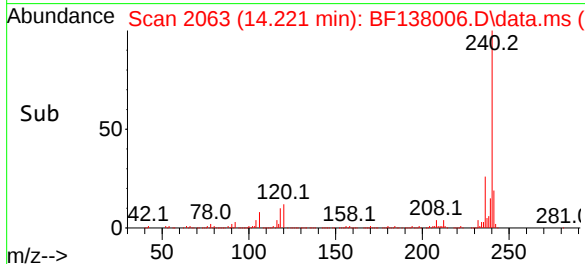
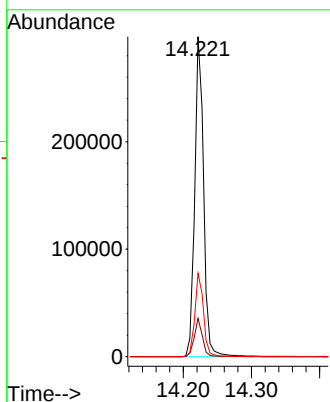
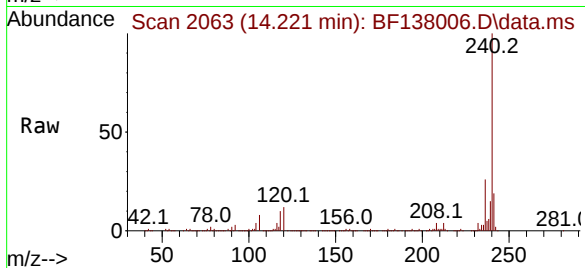
Tgt Ion:240 Resp: 269282

Ion Ratio Lower Upper

240 100

120 12.0 8.9 13.3

236 26.0 21.0 31.4



#77

Benzidine

Concen: 5.586 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.247 min

Lab File: BF138006.D

Acq: 22 May 2024 15:50

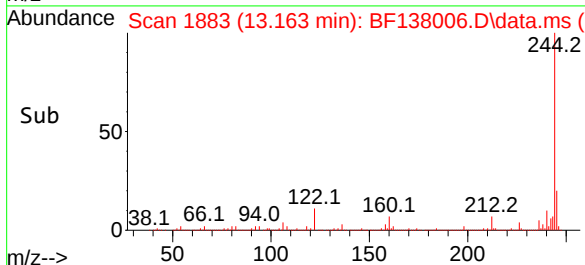
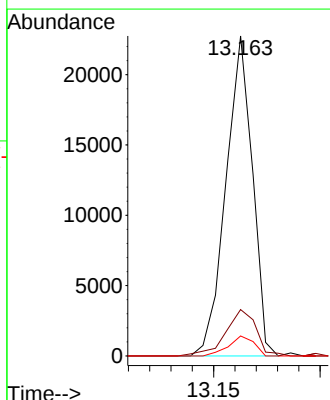
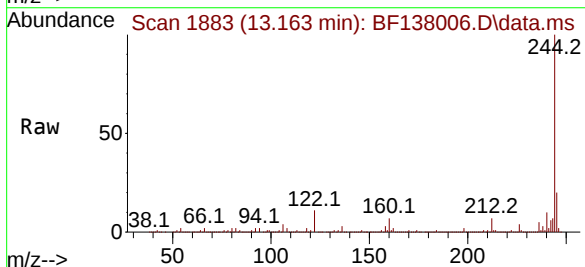
Tgt Ion:184 Resp: 19658

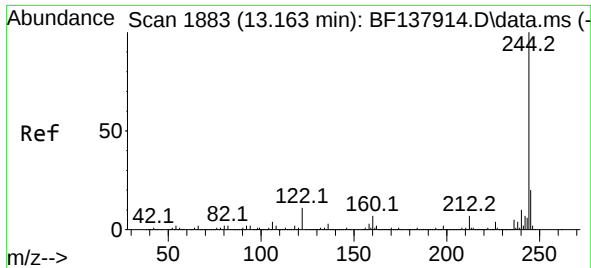
Ion Ratio Lower Upper

184 100

185 14.5 11.4 17.2

183 6.3 9.5 14.3#

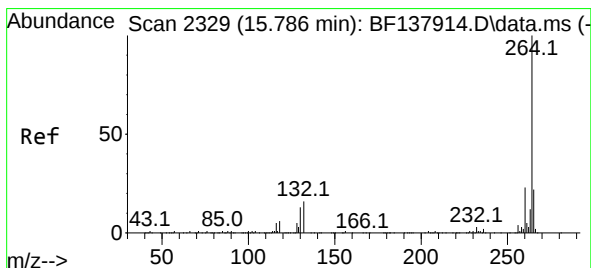
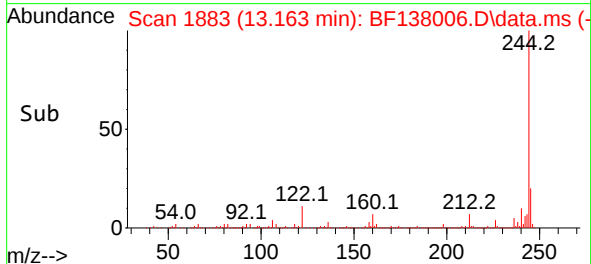
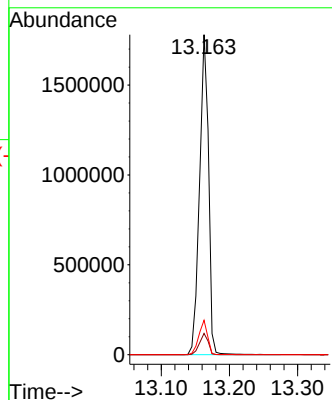
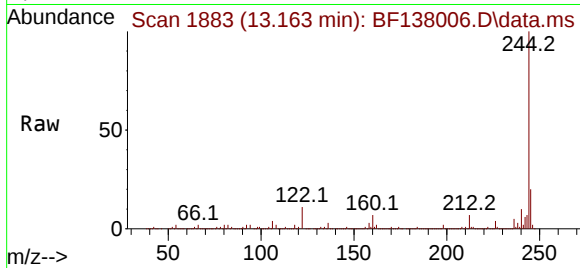




#79
 Terphenyl-d14
 Concen: 88.983 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: BF138006.D
 Acq: 22 May 2024 15:50

Instrument :
 BNA_F
 ClientSampleId :
 A852

Tgt Ion:244 Resp: 1625838
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.8 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.786 min Scan# 2329
 Delta R.T. 0.000 min
 Lab File: BF138006.D
 Acq: 22 May 2024 15:50

Tgt Ion:264 Resp: 269103
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.3 27.5
 265 21.1 17.6 26.4

