

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
 Data File : BF138024.D
 Acq On : 23 May 2024 13:21
 Operator : CG\JU
 Sample : PB161047TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB161047TB

Quant Time: May 23 14:03:09 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)

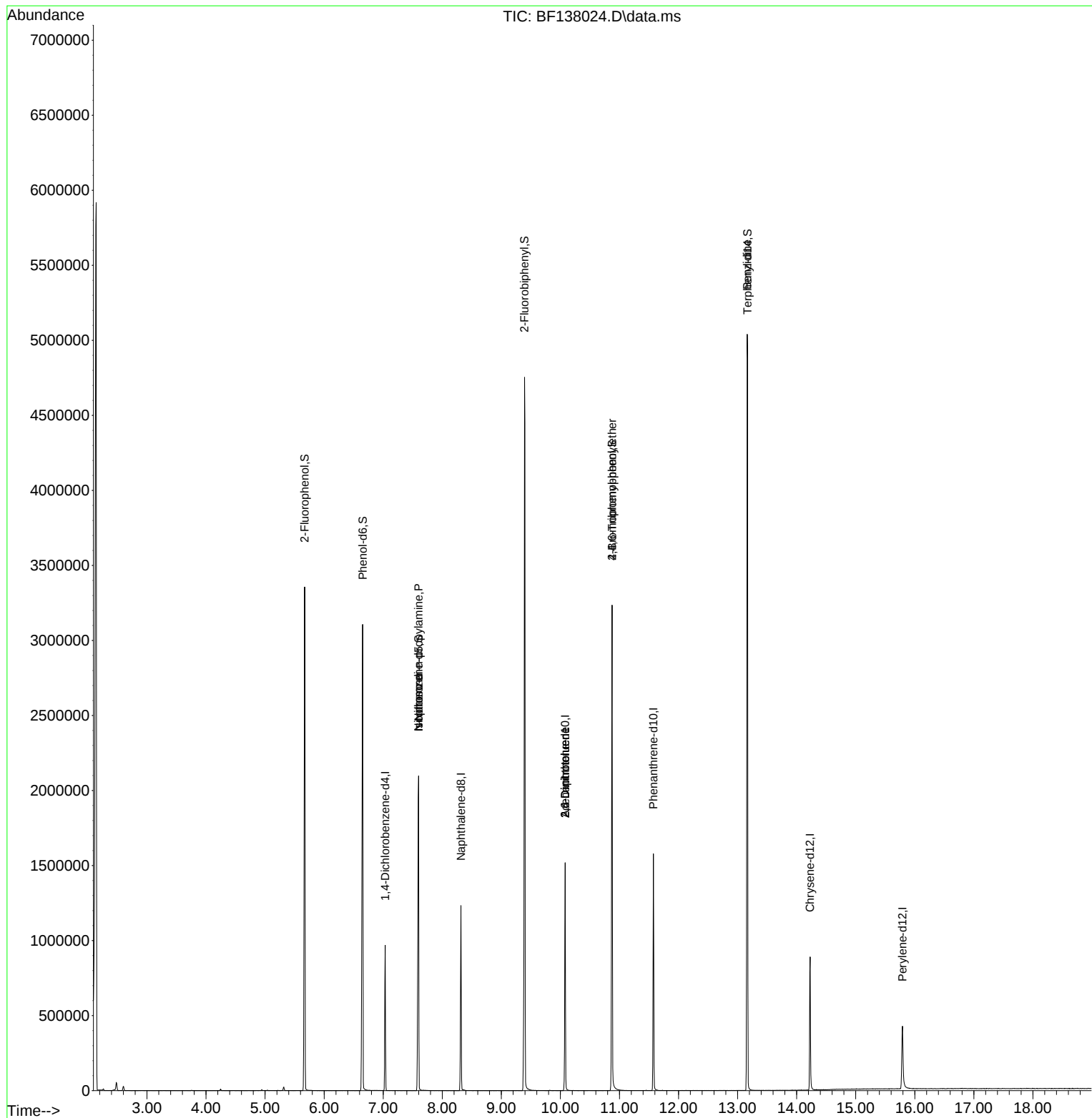
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	140989	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	556531	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	319877	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	567843	20.000	ng	0.00
76) Chrysene-d12	14.227	240	331311	20.000	ng	0.00
86) Perylene-d12	15.792	264	264507	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	1079967	130.115	ng	0.00
7) Phenol-d6	6.651	99	1323540	129.449	ng	0.00
23) Nitrobenzene-d5	7.598	82	812689	85.938	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	442668	137.248	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1767943	85.136	ng	0.00
79) Terphenyl-d14	13.169	244	2054597	91.396	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	106783	18.589	ng	# 73
25) Isophorone	7.598	82	812674	49.515	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	41471	9.008	ng	# 29
57) 2,4-Dinitrotoluene	10.081	165	41472	6.968	ng	# 33
67) 4-Bromophenyl-phenylether	10.875	248	28253	4.539	ng	# 1
77) Benzidine	13.163	184	23576	5.445	ng	# 92

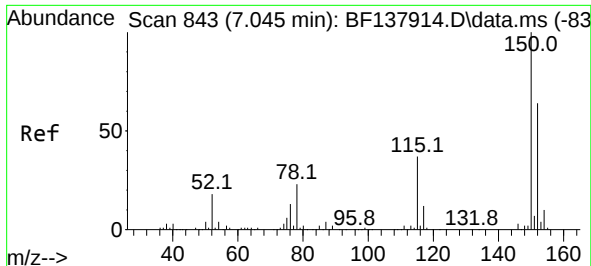
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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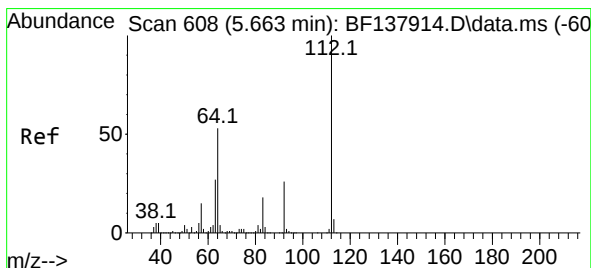
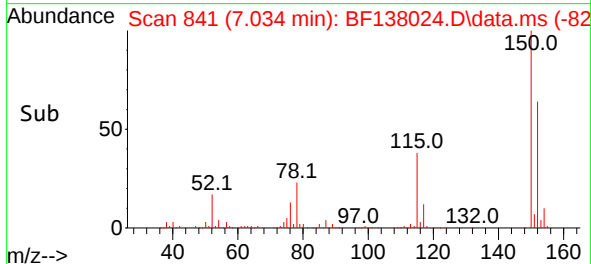
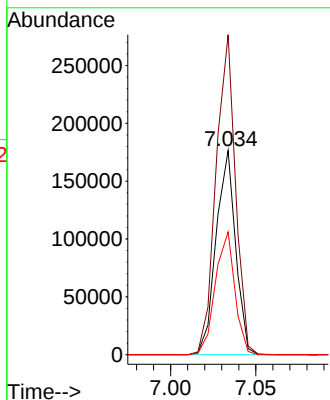
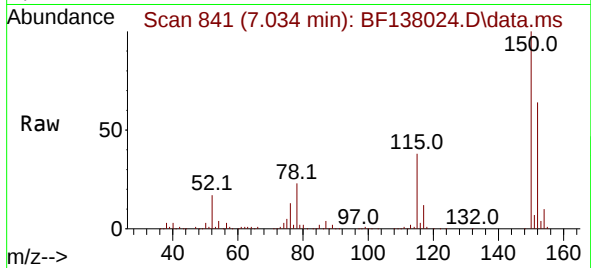




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

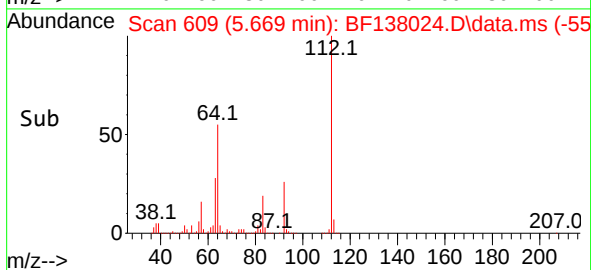
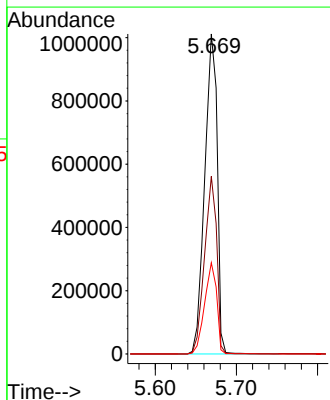
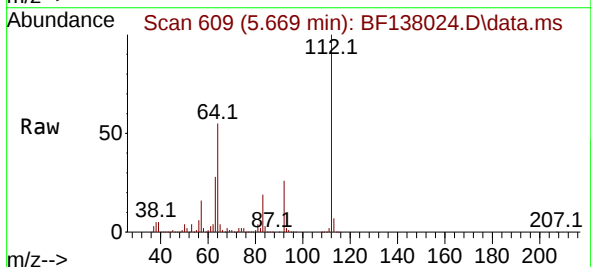
Instrument :
BNA_F
ClientSampleId :
PB161047TB

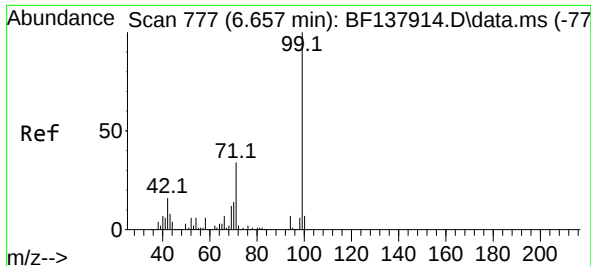
Tgt Ion:152 Resp: 140989
Ion Ratio Lower Upper
152 100
150 156.7 125.7 188.5
115 60.1 47.0 70.6



#5
2-Fluorophenol
Concen: 130.115 ng
RT: 5.669 min Scan# 609
Delta R.T. 0.006 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

Tgt Ion:112 Resp: 1079967
Ion Ratio Lower Upper
112 100
64 55.5 42.4 63.6
63 28.5 21.4 32.2

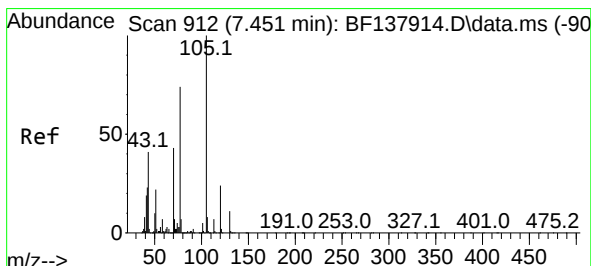
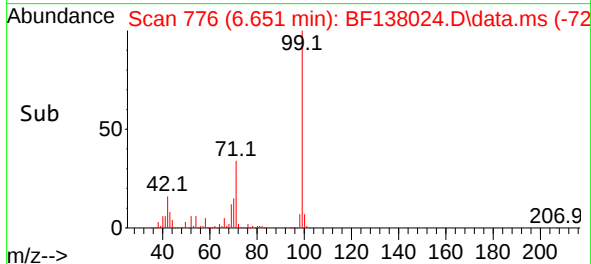
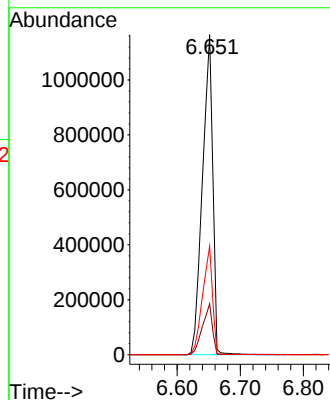
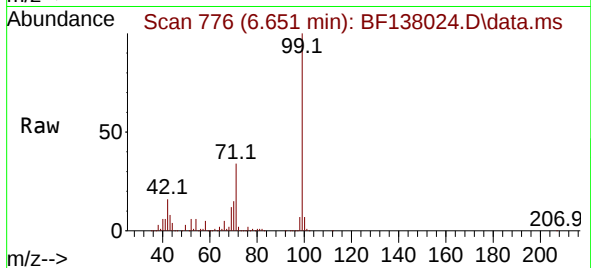




#7
Phenol-d6
Concen: 129.449 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

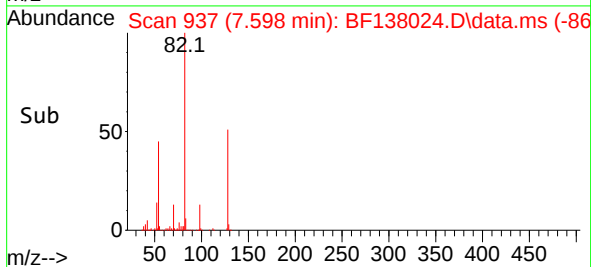
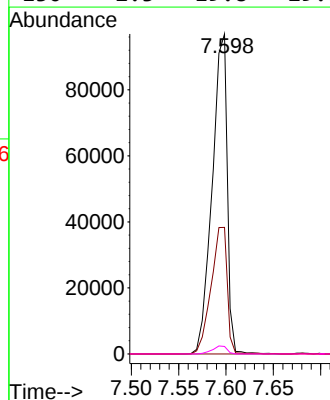
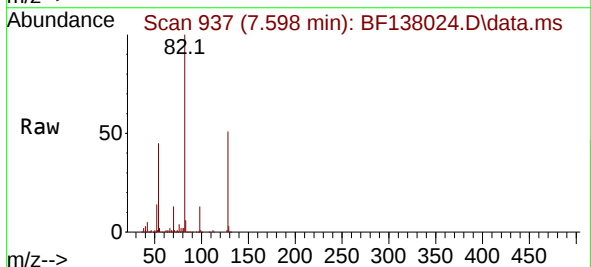
Instrument :
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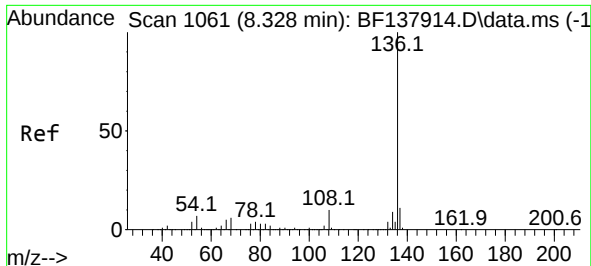
Tgt Ion: 99 Resp: 1323540
Ion Ratio Lower Upper
99 100
42 15.9 12.6 18.8
71 33.9 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 18.589 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

Tgt Ion: 70 Resp: 106783
Ion Ratio Lower Upper
70 100
42 39.5 42.2 63.4#
101 0.0 8.8 13.2#
130 2.3 19.8 29.8#

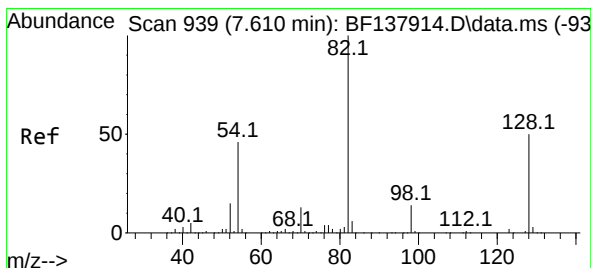
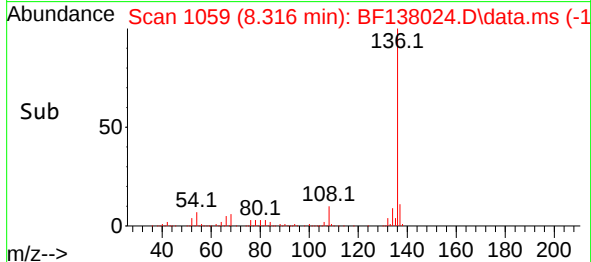
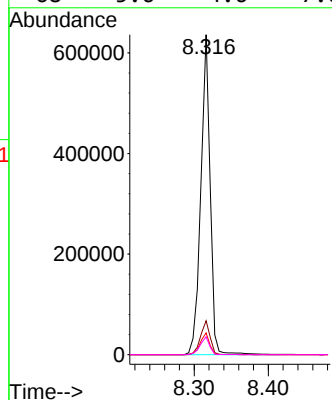
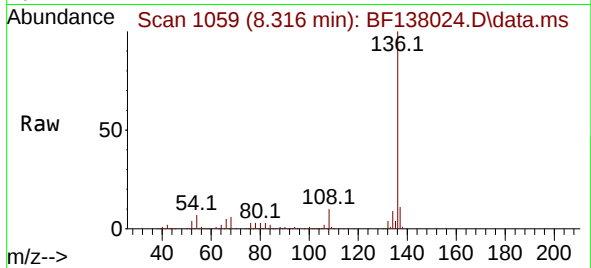




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

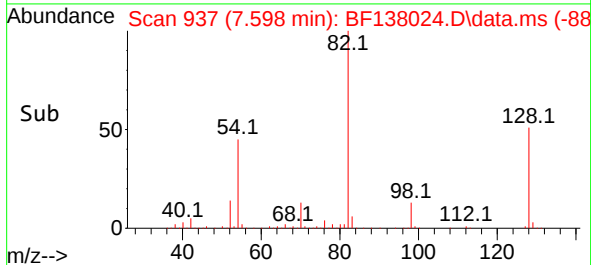
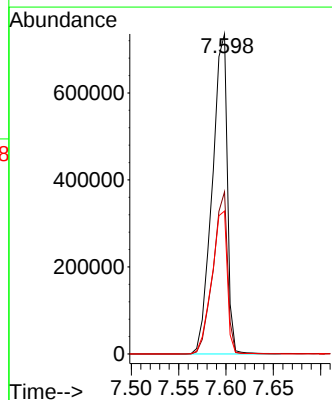
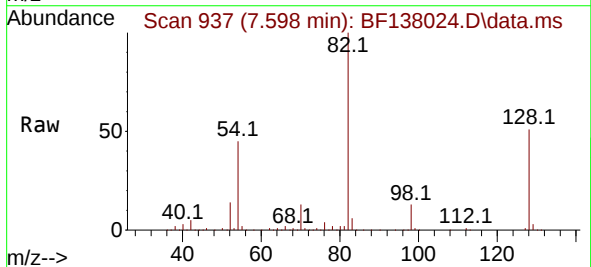
Instrument :
BNA_F
ClientSampleId :
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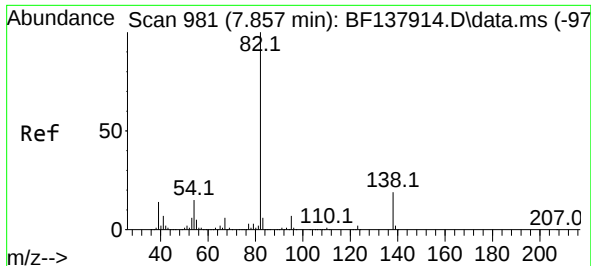
Tgt Ion:136 Resp: 556531
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.8 5.4 8.2
68 5.6 4.6 7.0



#23
Nitrobenzene-d5
Concen: 85.938 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

Tgt Ion: 82 Resp: 812689
Ion Ratio Lower Upper
82 100
128 50.6 40.3 60.5
54 44.7 36.8 55.2

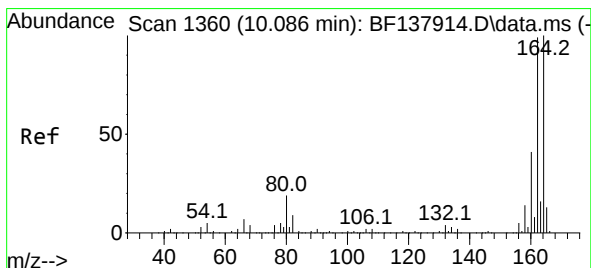
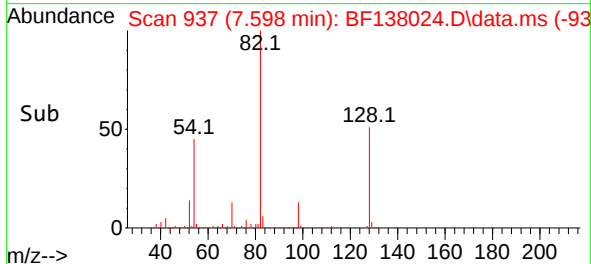
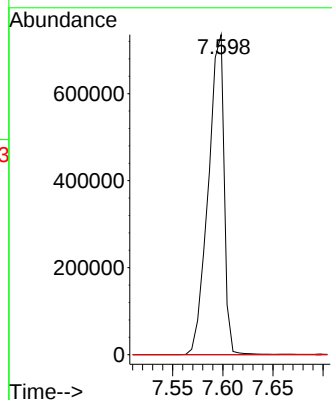
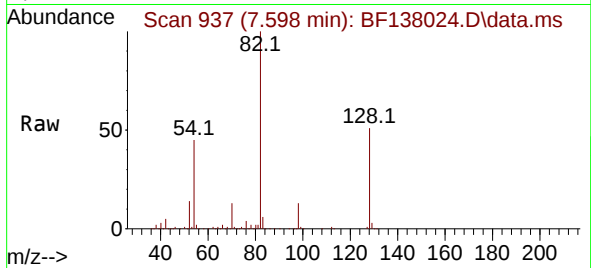




#25
Isophorone
Concen: 49.515 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

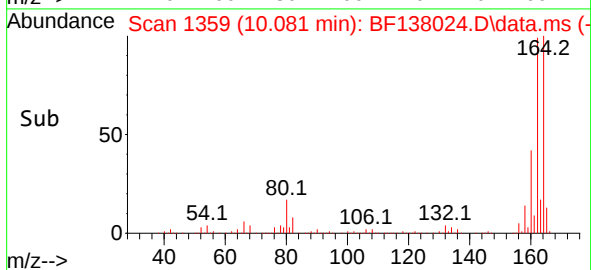
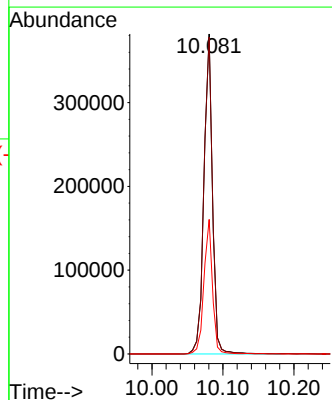
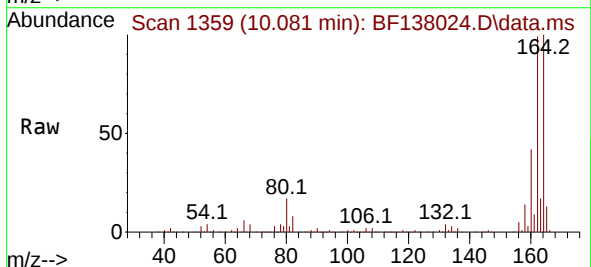
Instrument :
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ClientSampleId :
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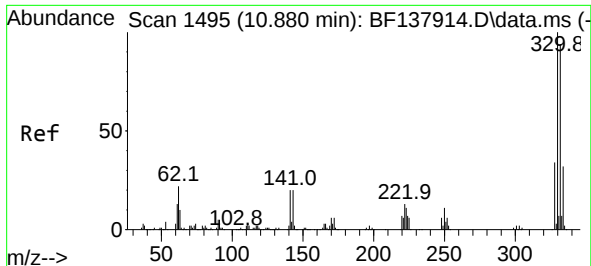
Tgt Ion: 82 Resp: 812674
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

Tgt Ion:164 Resp: 319877
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.2
160 42.0 33.1 49.7

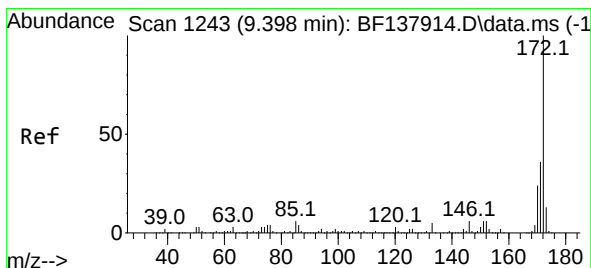
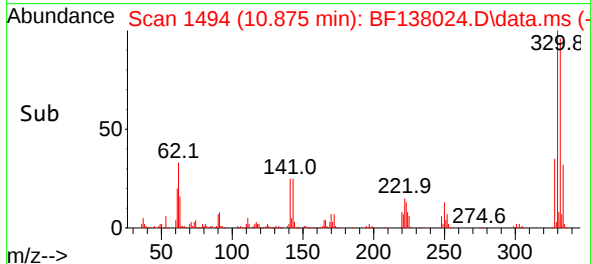
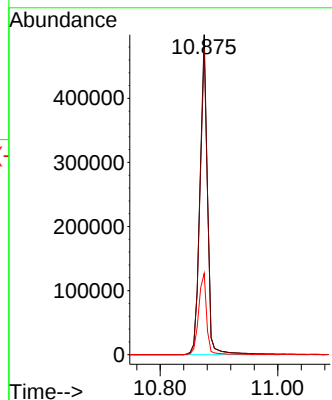
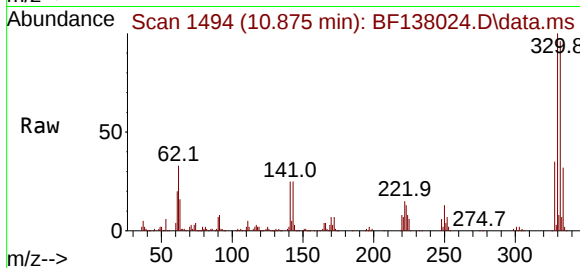




#42
2,4,6-Tribromophenol
Concen: 137.248 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

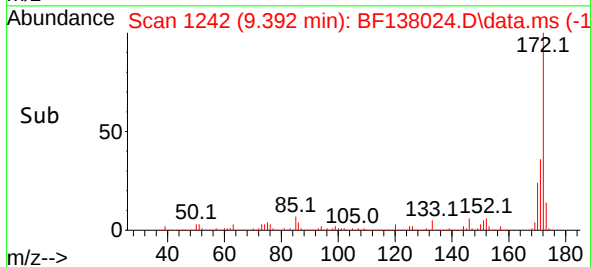
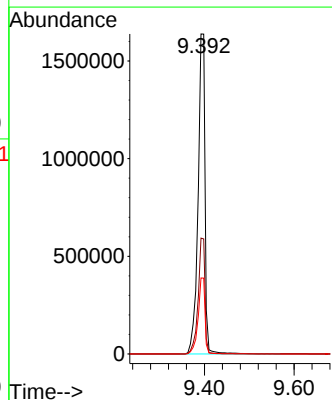
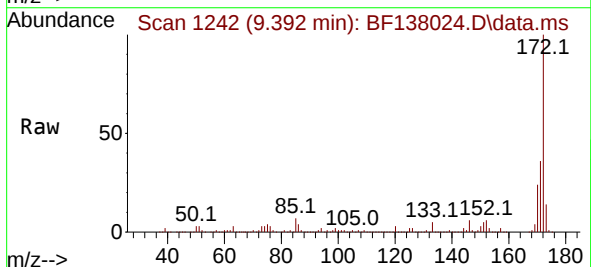
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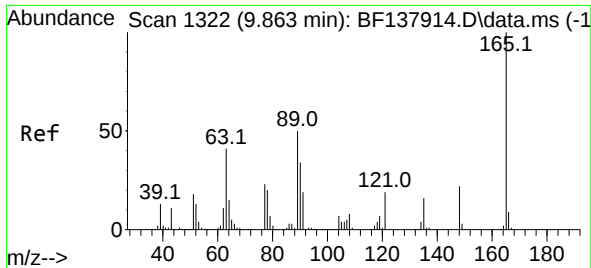
Tgt Ion:330 Resp: 442668
Ion Ratio Lower Upper
330 100
332 97.0 75.8 113.8
141 27.2 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 85.136 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

Tgt Ion:172 Resp: 1767943
Ion Ratio Lower Upper
172 100
171 36.2 28.9 43.3
170 23.8 18.9 28.3

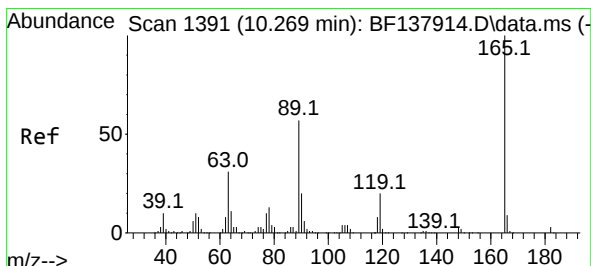
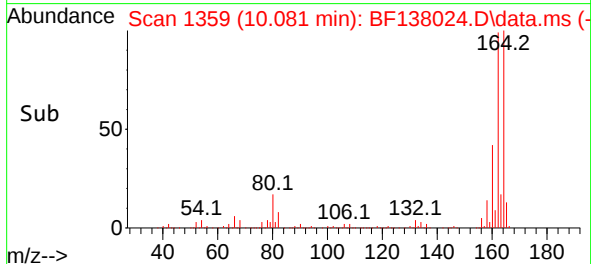
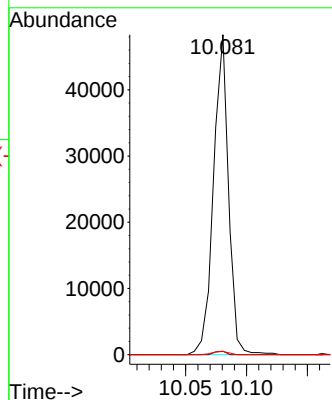
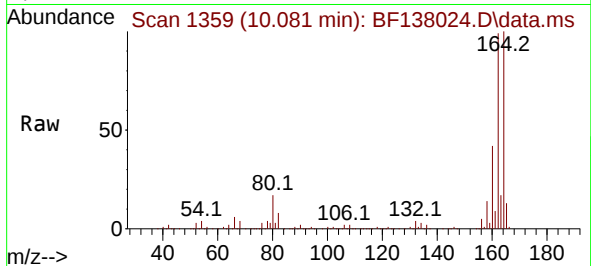




#51
2,6-Dinitrotoluene
Concen: 9.008 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

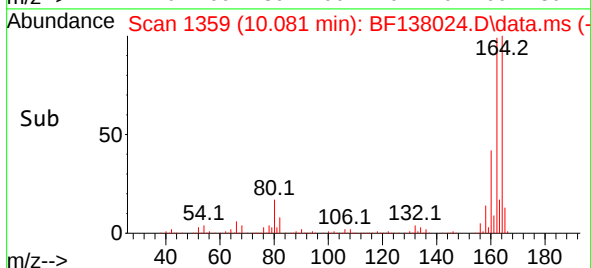
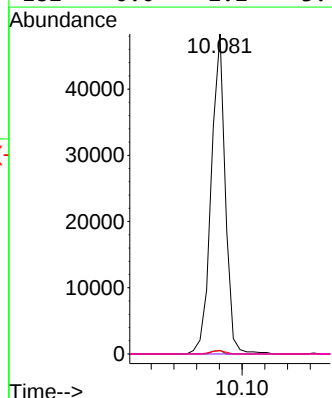
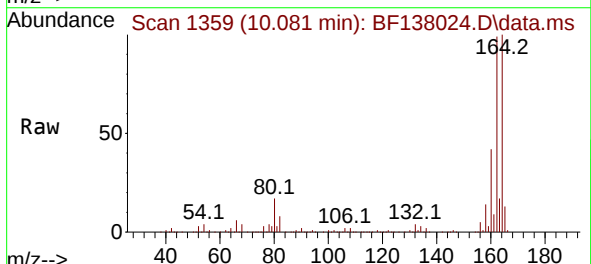
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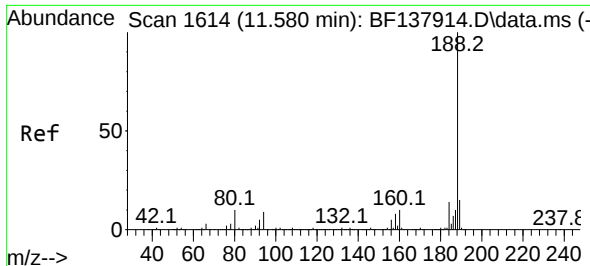
Tgt Ion:165 Resp: 41471
Ion Ratio Lower Upper
165 100
63 1.1 38.9 58.3#
89 1.0 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 6.968 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

Tgt Ion:165 Resp: 41472
Ion Ratio Lower Upper
165 100
63 1.1 25.3 37.9#
89 1.0 45.9 68.9#
182 0.0 2.2 3.4#

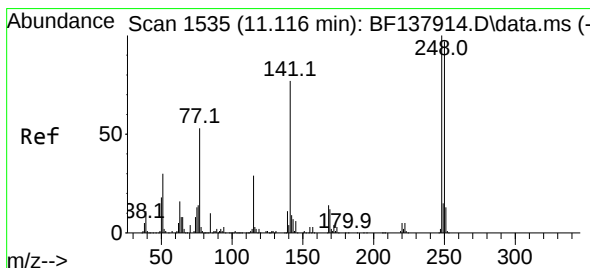
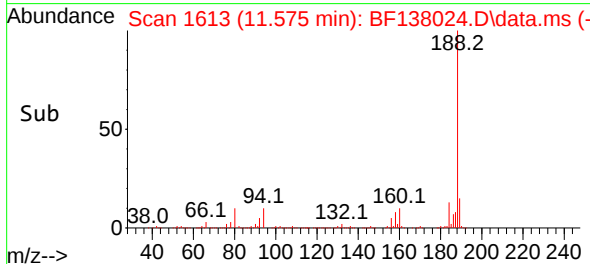
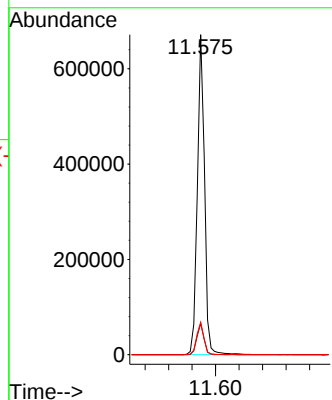
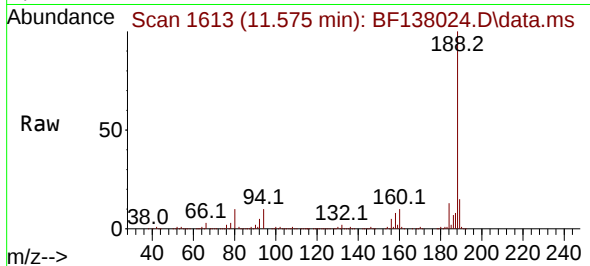




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

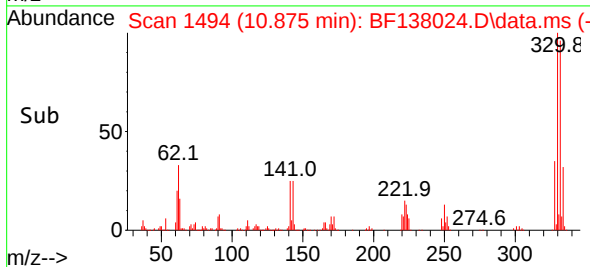
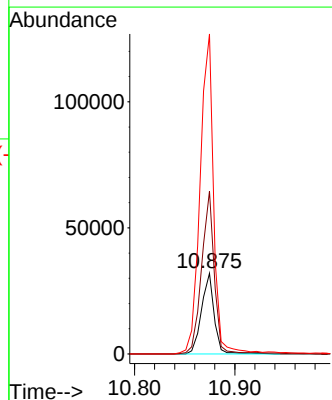
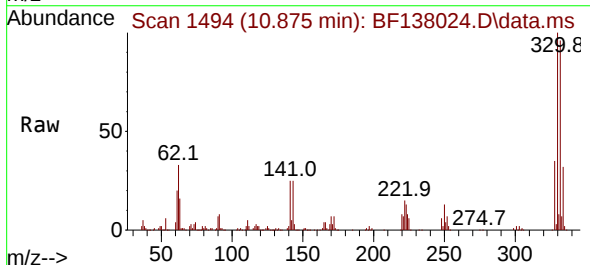
Instrument :
BNA_F
ClientSampleId :
PB161047TB

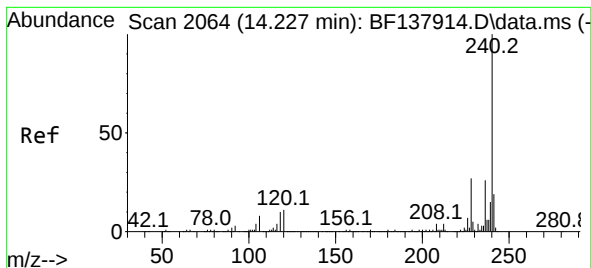
Tgt Ion:188 Resp: 567843
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.2 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 4.539 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.241 min
Lab File: BF138024.D
Acq: 23 May 2024 13:21

Tgt Ion:248 Resp: 28253
Ion Ratio Lower Upper
248 100
250 201.9 77.6 116.4#
141 396.6 61.4 92.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BF138024.D

Acq: 23 May 2024 13:21

Instrument :

BNA_F

ClientSampleId :

PB161047TB

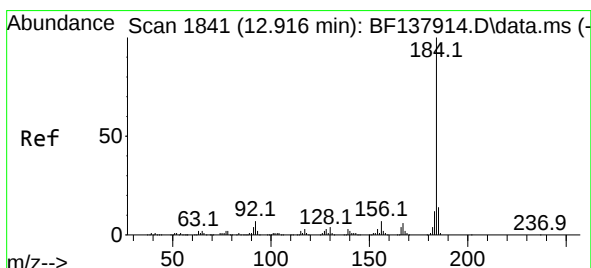
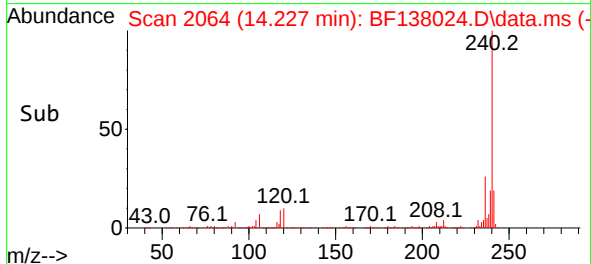
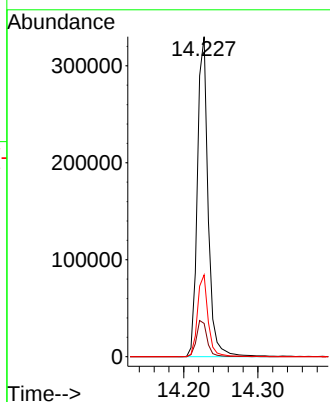
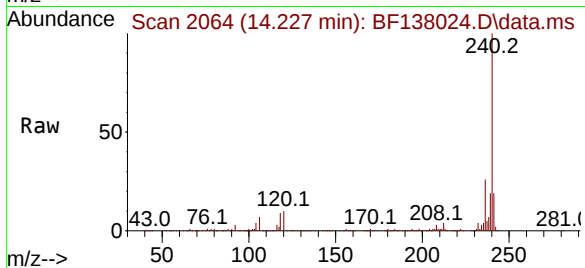
Tgt Ion:240 Resp: 331311

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

236 25.5 21.0 31.4



#77

Benzidine

Concen: 5.445 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.247 min

Lab File: BF138024.D

Acq: 23 May 2024 13:21

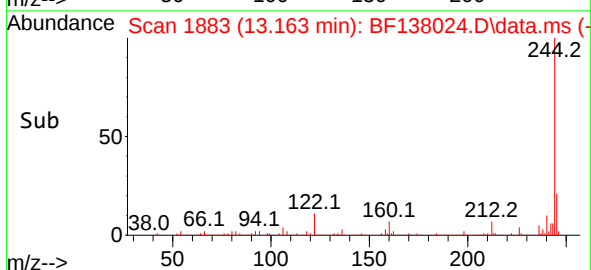
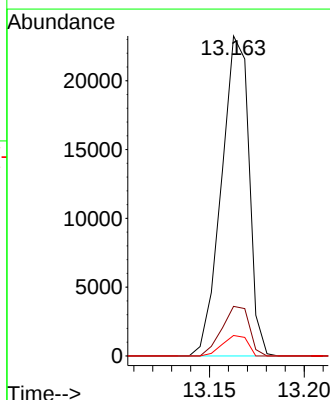
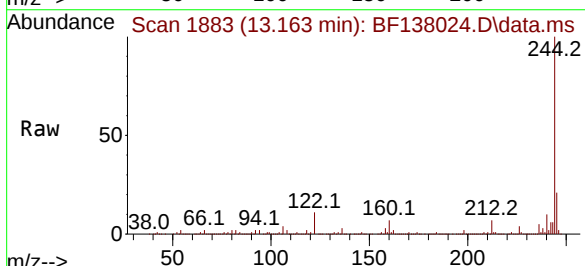
Tgt Ion:184 Resp: 23576

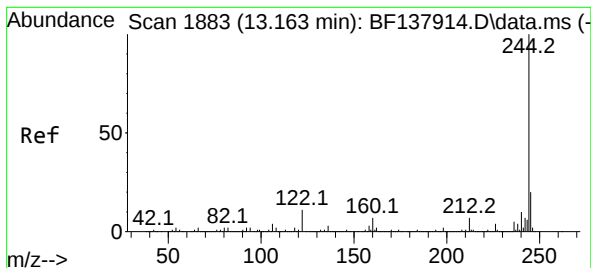
Ion Ratio Lower Upper

184 100

185 15.5 11.4 17.2

183 6.4 9.5 14.3#





#79

Terphenyl-d14

Concen: 91.396 ng

RT: 13.169 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138024.D

Acq: 23 May 2024 13:21

Instrument :

BNA_F

ClientSampleId :

PB161047TB

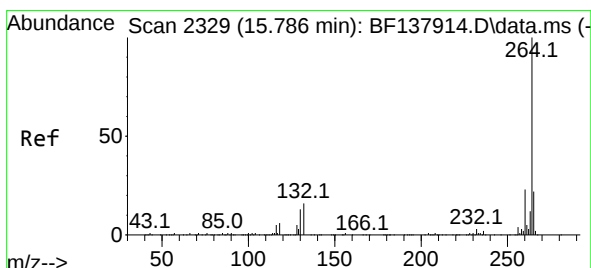
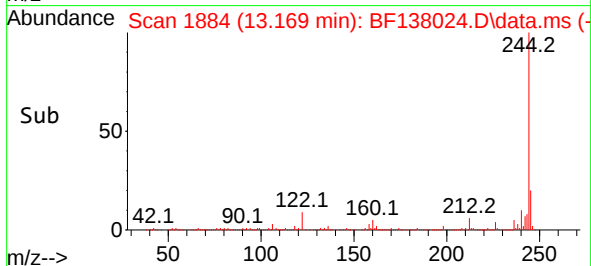
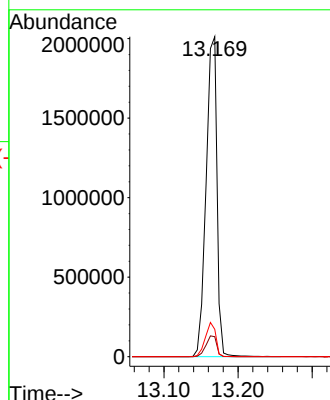
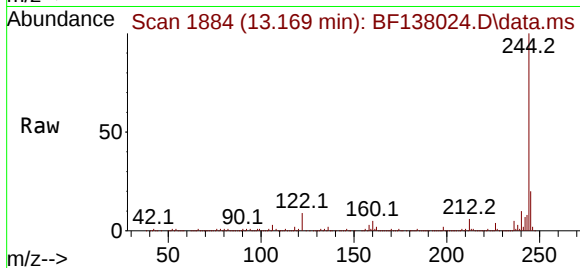
Tgt Ion:244 Resp: 2054597

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 8.5 8.8 13.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 2330

Delta R.T. 0.006 min

Lab File: BF138024.D

Acq: 23 May 2024 13:21

Tgt Ion:264 Resp: 264507

Ion Ratio Lower Upper

264 100

260 22.5 18.3 27.5

265 21.6 17.6 26.4

