

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
 Data File : BF137937.D
 Acq On : 17 May 2024 17:48
 Operator : CG\JU
 Sample : P2497-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3823

Quant Time: May 17 22:52:42 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)

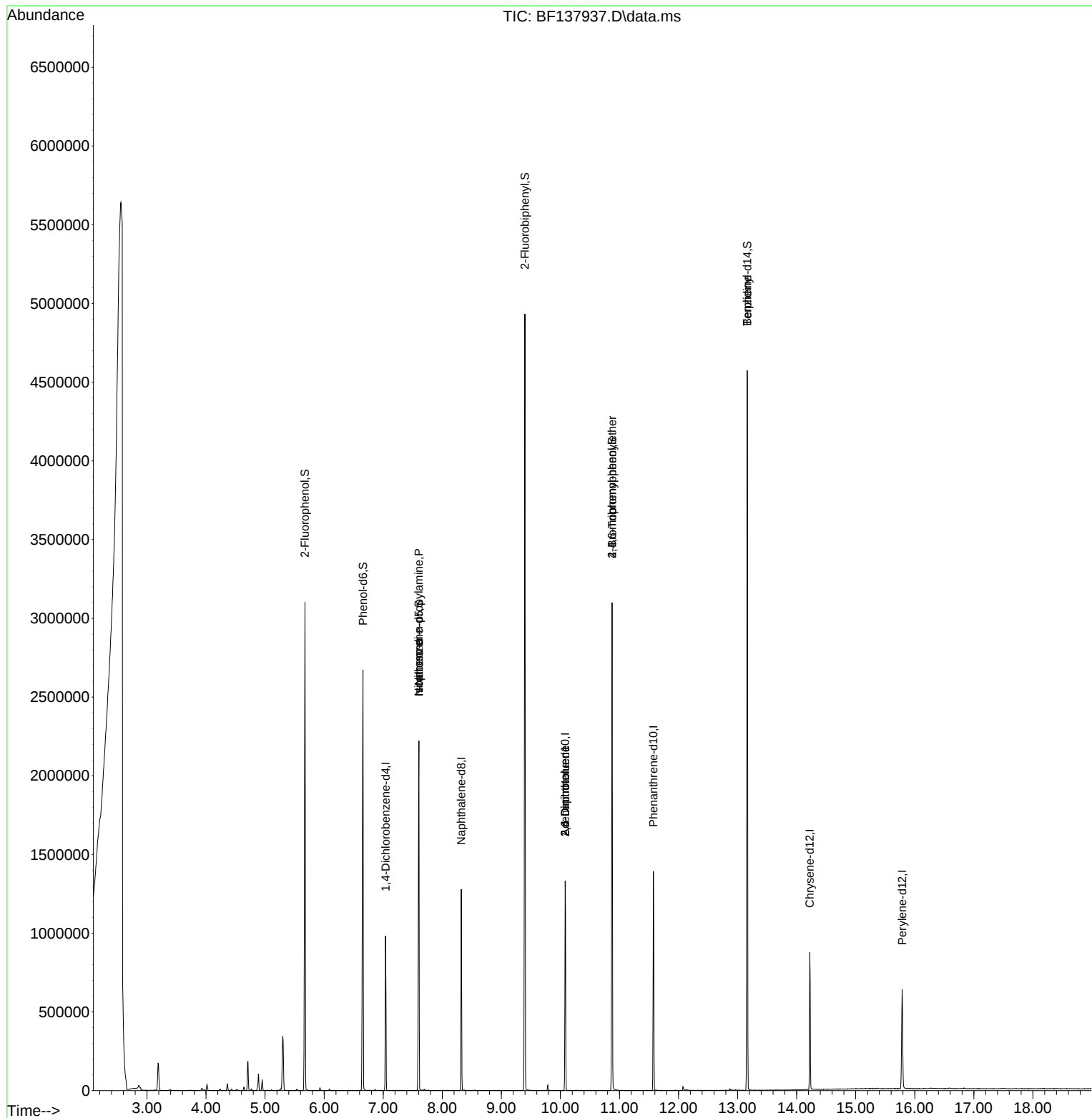
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	130831	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	501324	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	282722	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	495728	20.000	ng	0.00
76) Chrysene-d12	14.221	240	280211	20.000	ng	0.00
86) Perylene-d12	15.786	264	311173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	887109	115.178	ng	0.01
7) Phenol-d6	6.657	99	989333	104.275	ng	0.00
23) Nitrobenzene-d5	7.604	82	713852	83.799	ng	0.00
42) 2,4,6-Tribromophenol	10.875	330	389627	136.679	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1495467	81.479	ng	0.00
79) Terphenyl-d14	13.163	244	1636478	86.072	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.604	70	95379	17.893	ng	# 73
25) Isophorone	7.604	82	713837	48.283	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	36917	9.073	ng	# 29
57) 2,4-Dinitrotoluene	10.081	165	36917	7.018	ng	# 33
67) 4-Bromophenyl-phenylether	10.875	248	25446	4.682	ng	# 1
77) Benzydine	13.163	184	19205	5.244	ng	# 92

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

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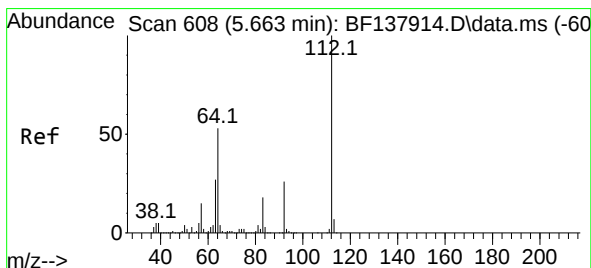
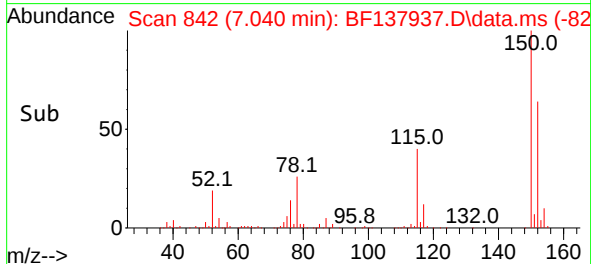
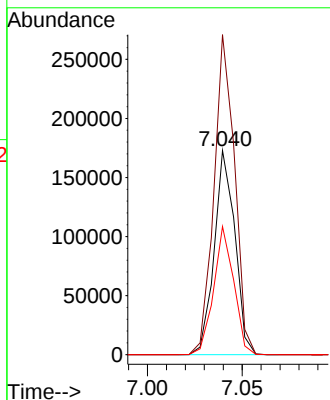
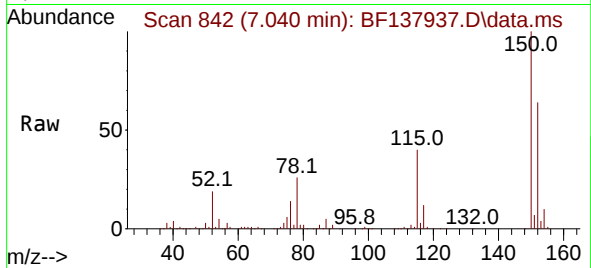




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 84
Delta R.T. -0.005 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

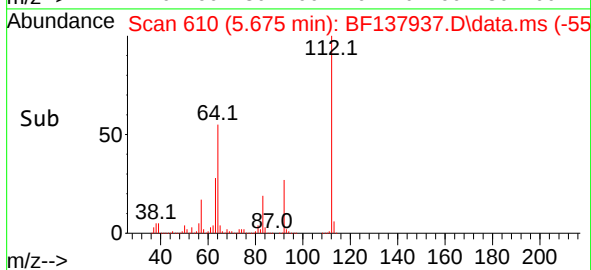
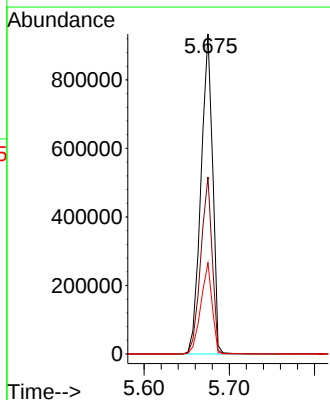
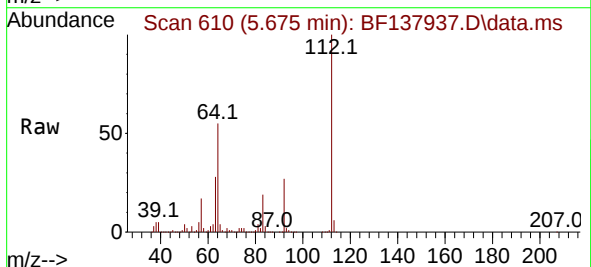
Instrument :
BNA_F
ClientSampleId :
RT3823

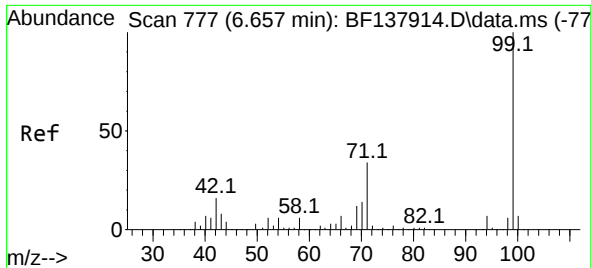
Tgt Ion:152 Resp: 130831
Ion Ratio Lower Upper
152 100
150 156.8 125.7 188.5
115 62.8 47.0 70.6



#5
2-Fluorophenol
Concen: 115.178 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.012 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

Tgt Ion:112 Resp: 887109
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.4 21.4 32.2

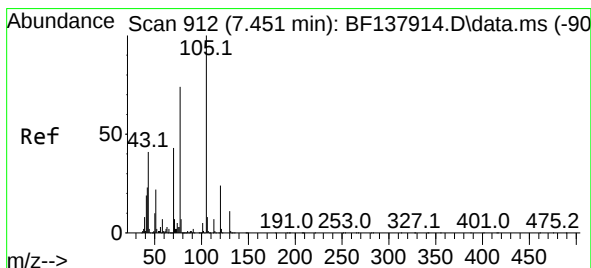
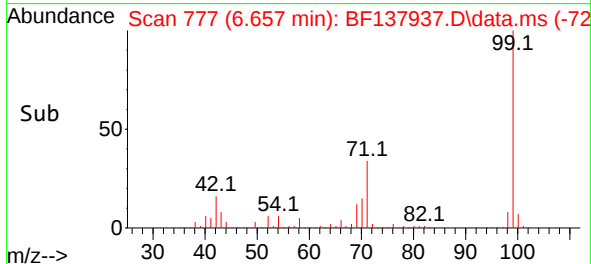
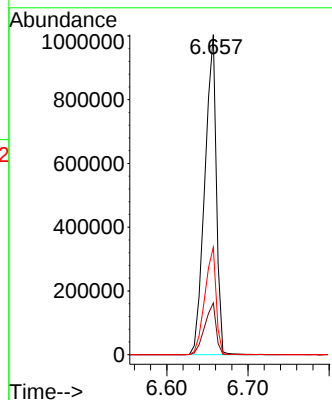
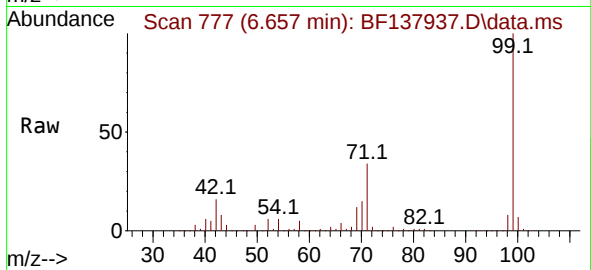




#7
Phenol-d6
Concen: 104.275 ng
RT: 6.657 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

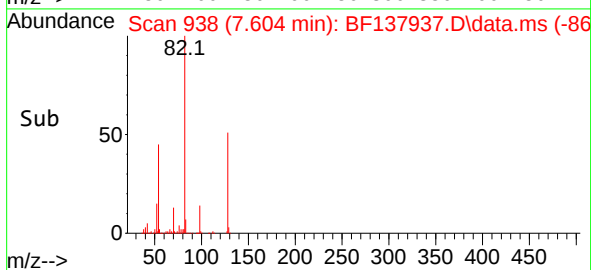
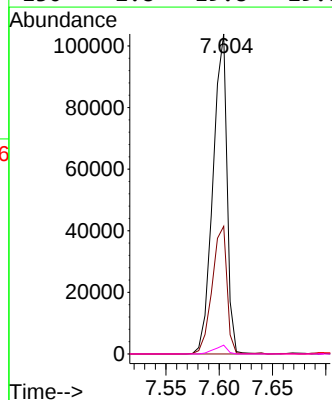
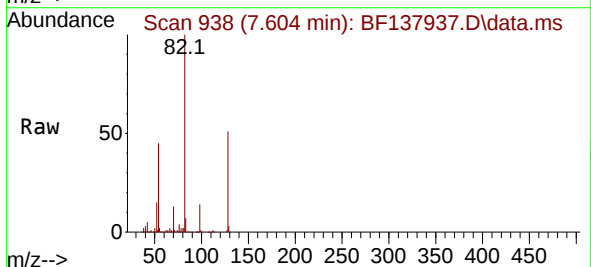
Instrument :
BNA_F
ClientSampleId :
RT3823

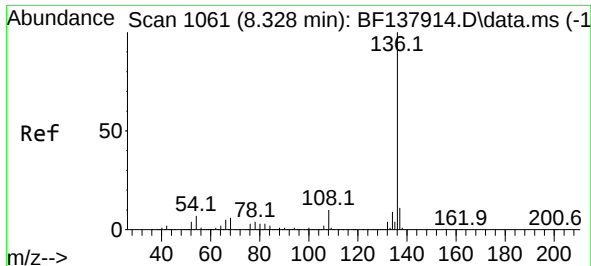
Tgt Ion: 99 Resp: 989333
Ion Ratio Lower Upper
99 100
42 16.2 12.6 18.8
71 33.6 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.893 ng
RT: 7.604 min Scan# 938
Delta R.T. 0.153 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

Tgt Ion: 70 Resp: 95379
Ion Ratio Lower Upper
70 100
42 39.9 42.2 63.4#
101 0.0 8.8 13.2#
130 2.8 19.8 29.8#



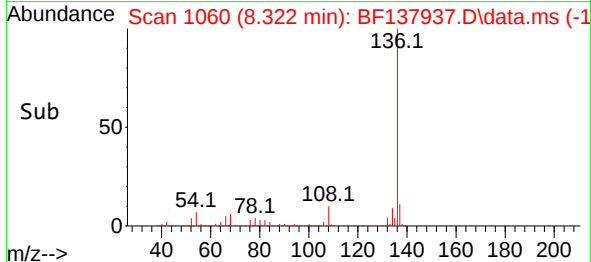
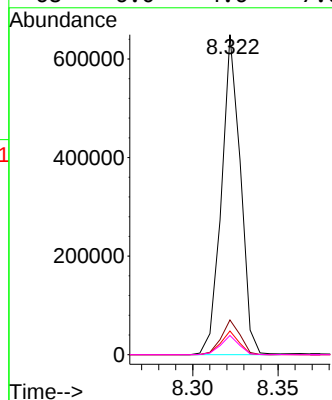
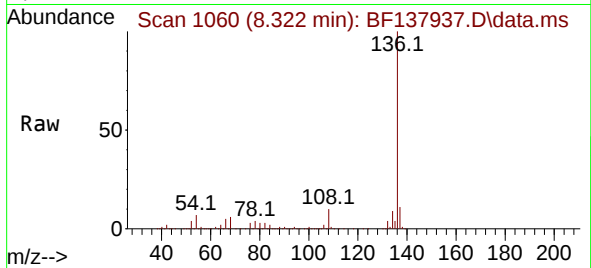


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

Instrument :
BNA_F
ClientSampleId :
RT3823

Tgt Ion:136 Resp: 501324

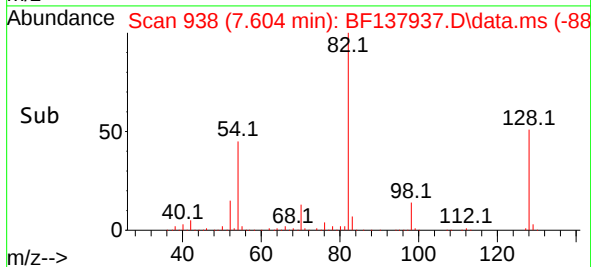
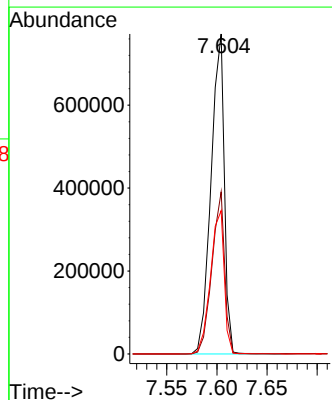
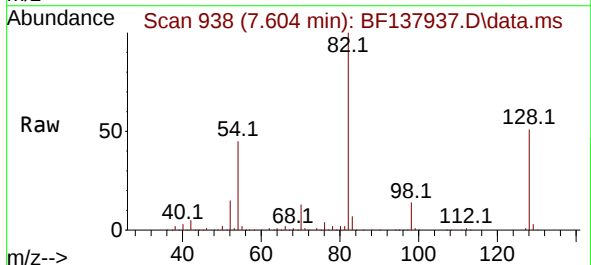
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.4	5.4	8.2
68	6.0	4.6	7.0



#23
Nitrobenzene-d5
Concen: 83.799 ng
RT: 7.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

Tgt Ion: 82 Resp: 713852

Ion	Ratio	Lower	Upper
82	100		
128	50.6	40.3	60.5
54	44.8	36.8	55.2

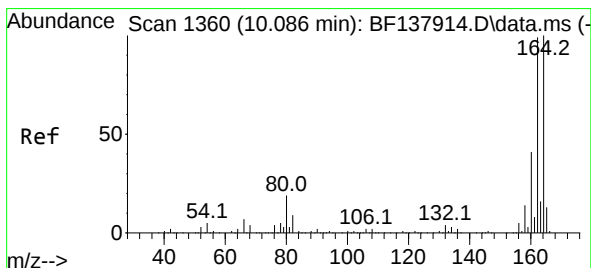
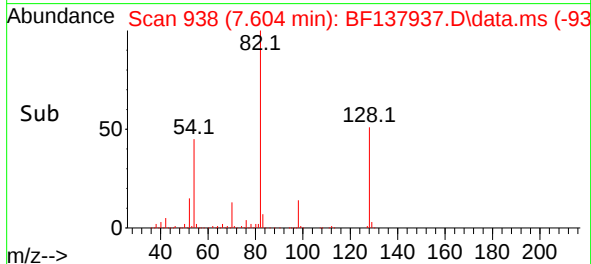
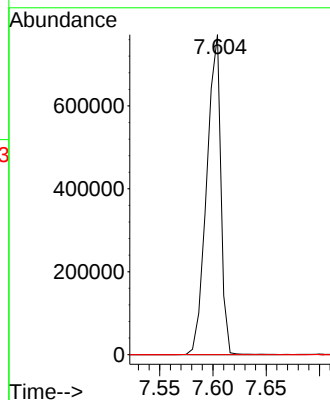
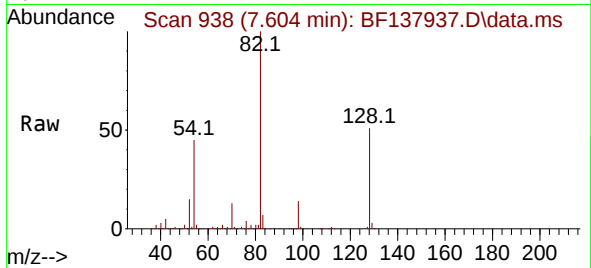




#25
Isophorone
Concen: 48.283 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.253 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

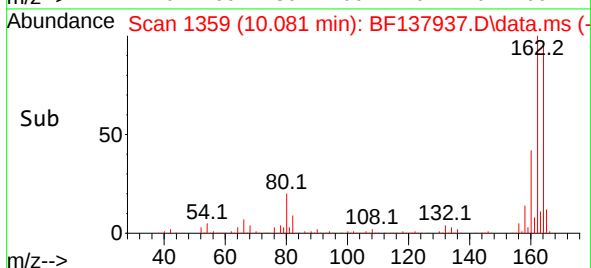
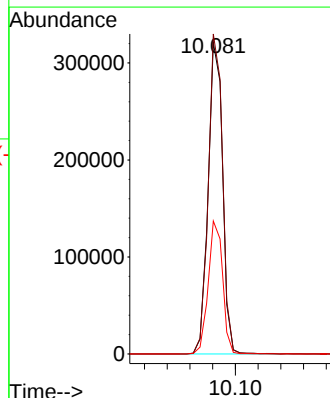
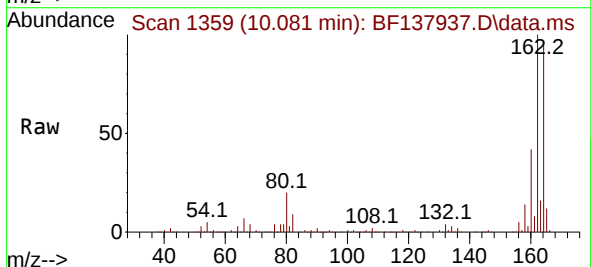
Instrument :
BNA_F
ClientSampleId :
RT3823

Tgt Ion: 82 Resp: 713837
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: BF137937.D
Acq: 17 May 2024 17:48

Tgt Ion:164 Resp: 282722
Ion Ratio Lower Upper
164 100
162 102.8 79.4 119.2
160 42.7 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 136.679 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF137937.D

Acq: 17 May 2024 17:48

Instrument :

BNA_F

ClientSampleId :

RT3823

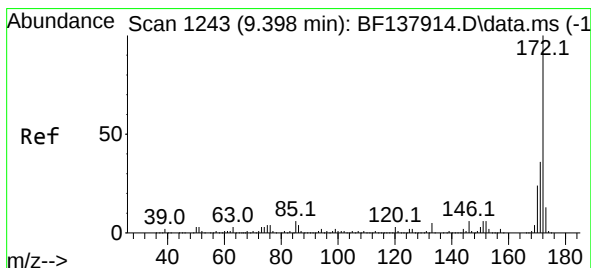
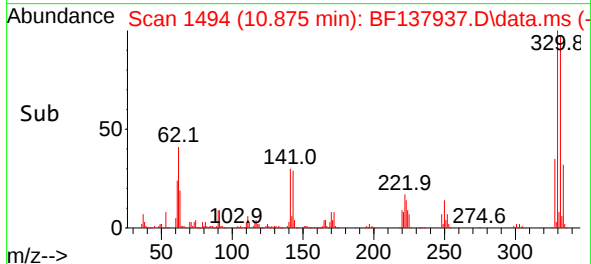
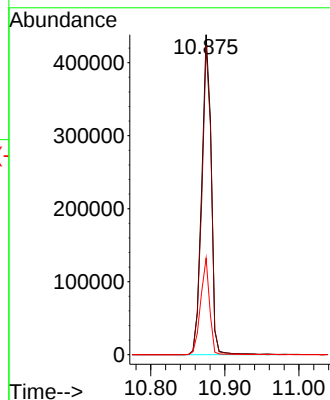
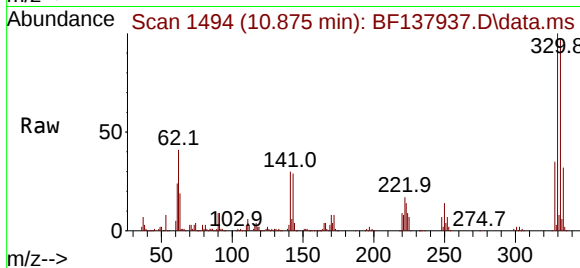
Tgt Ion:330 Resp: 389627

Ion Ratio Lower Upper

330 100

332 95.8 75.8 113.8

141 28.5 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 81.479 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF137937.D

Acq: 17 May 2024 17:48

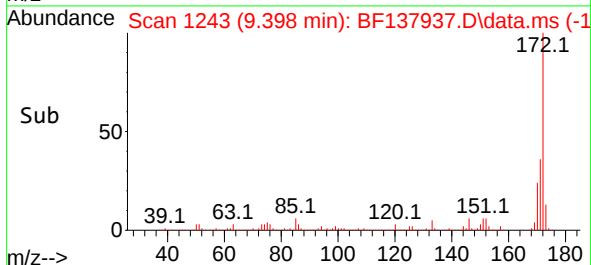
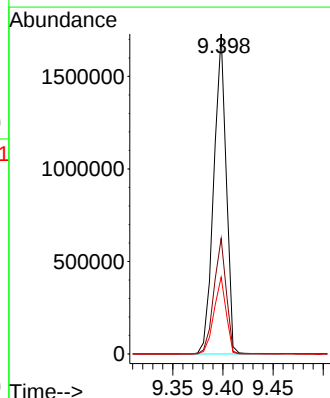
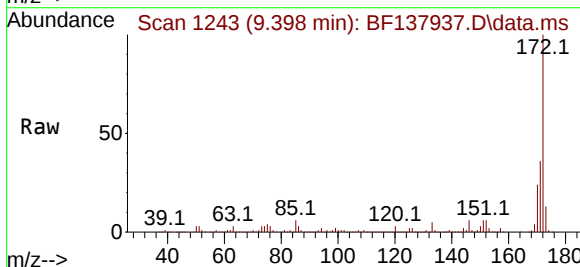
Tgt Ion:172 Resp: 1495467

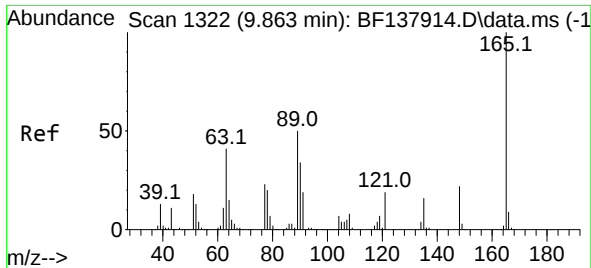
Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

170 24.0 18.9 28.3

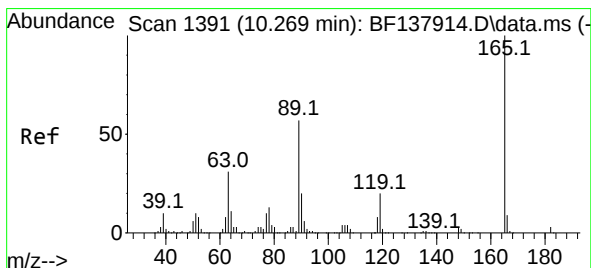
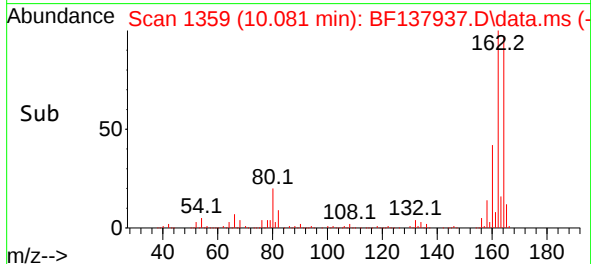
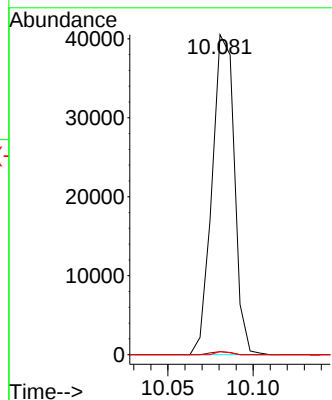
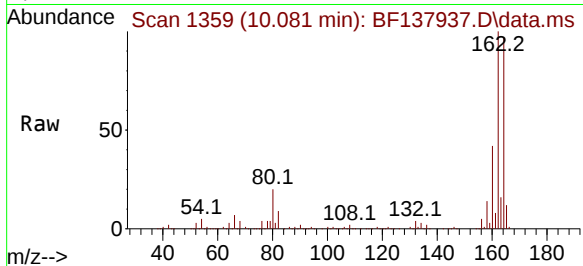




#51
2,6-Dinitrotoluene
Concen: 9.073 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

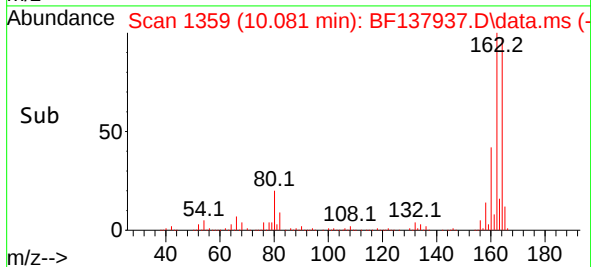
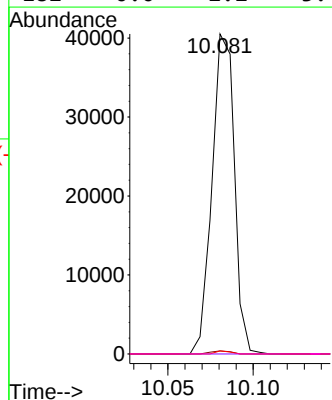
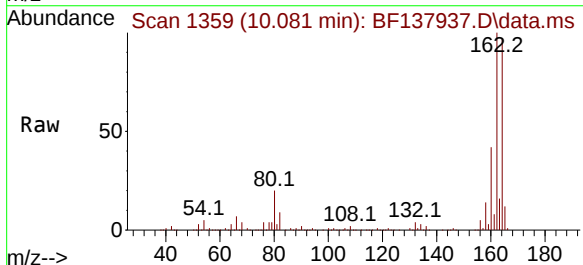
Instrument :
BNA_F
ClientSampleId :
RT3823

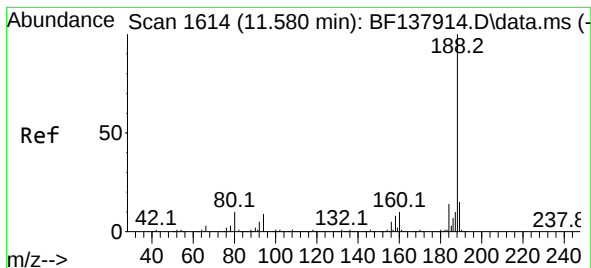
Tgt Ion:165 Resp: 36917
Ion Ratio Lower Upper
165 100
63 1.0 38.9 58.3#
89 0.9 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 7.018 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

Tgt Ion:165 Resp: 36917
Ion Ratio Lower Upper
165 100
63 1.0 25.3 37.9#
89 0.9 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: BF137937.D

Acq: 17 May 2024 17:48

Instrument :

BNA_F

ClientSampleId :

RT3823

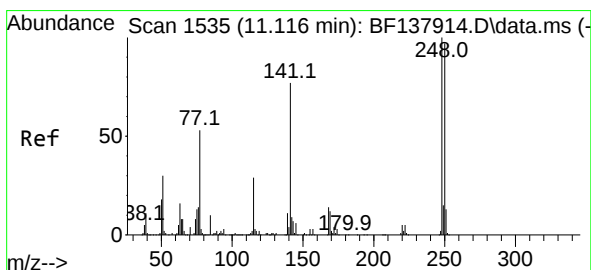
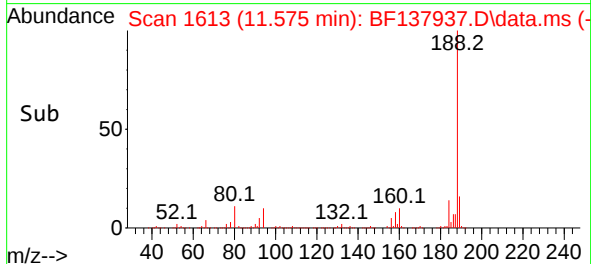
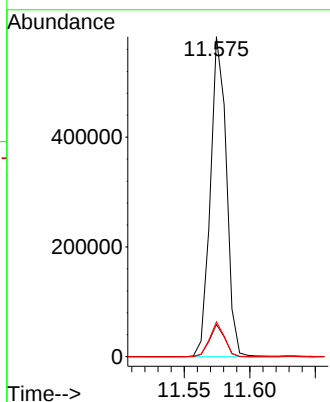
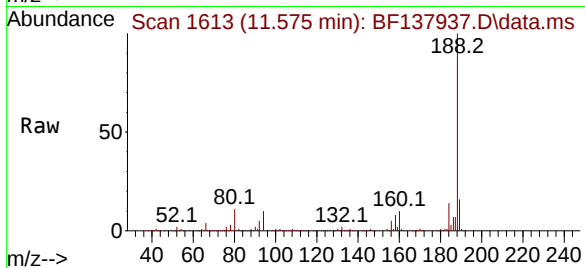
Tgt Ion:188 Resp: 495728

Ion Ratio Lower Upper

188 100

94 10.1 7.0 10.4

80 10.9 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.682 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137937.D

Acq: 17 May 2024 17:48

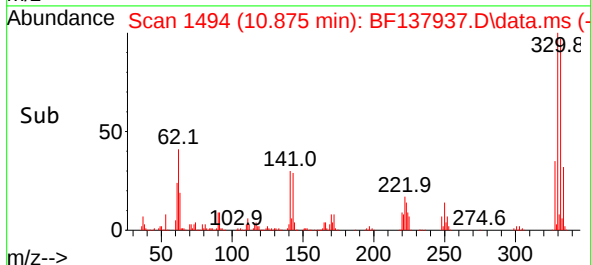
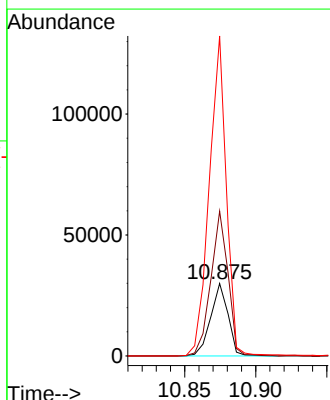
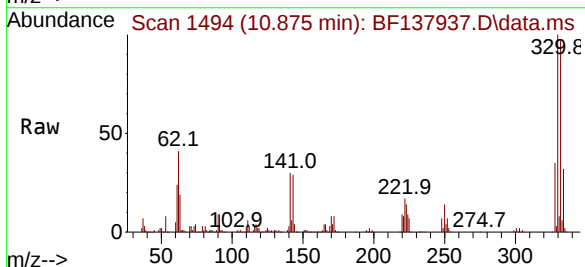
Tgt Ion:248 Resp: 25446

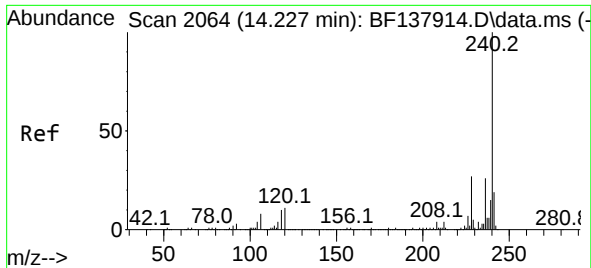
Ion Ratio Lower Upper

248 100

250 199.7 77.6 116.4#

141 441.4 61.4 92.2#

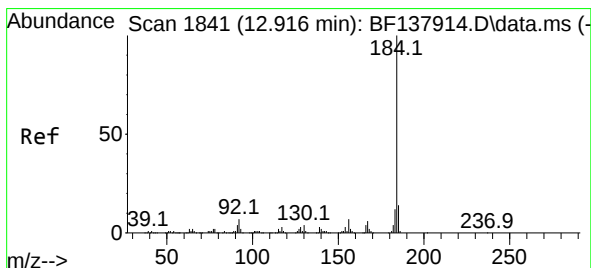
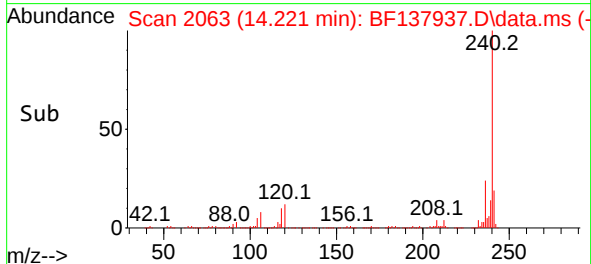
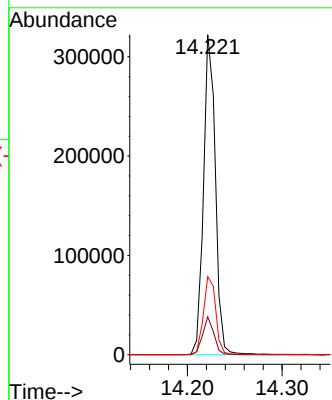
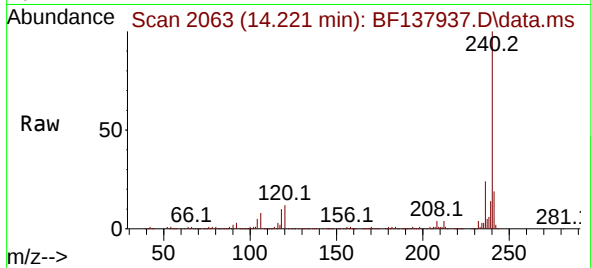




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

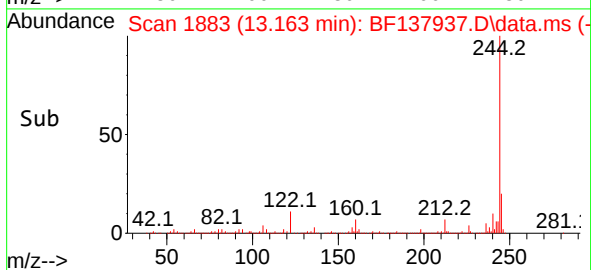
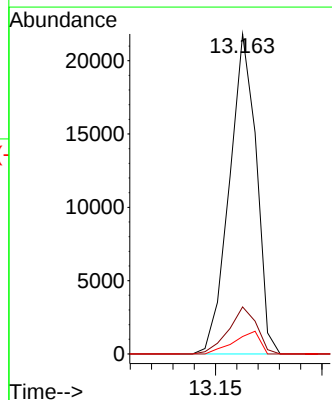
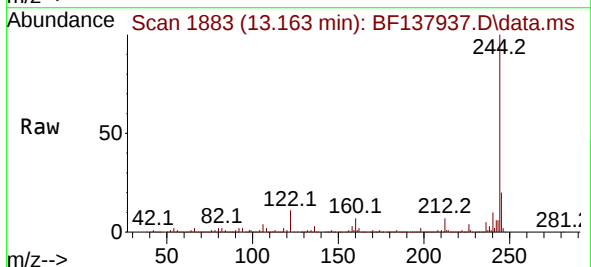
Instrument :
BNA_F
ClientSampleId :
RT3823

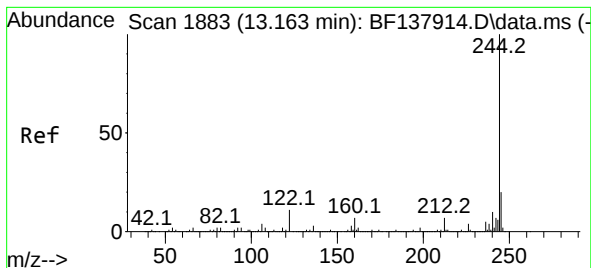
Tgt Ion:240 Resp: 280211
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 24.4 21.0 31.4



#77
Benzidine
Concen: 5.244 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF137937.D
Acq: 17 May 2024 17:48

Tgt Ion:184 Resp: 19205
Ion Ratio Lower Upper
184 100
185 14.7 11.4 17.2
183 5.5 9.5 14.3#





#79

Terphenyl-d14

Concen: 86.072 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137937.D

Acq: 17 May 2024 17:48

Instrument :

BNA_F

ClientSampleId :

RT3823

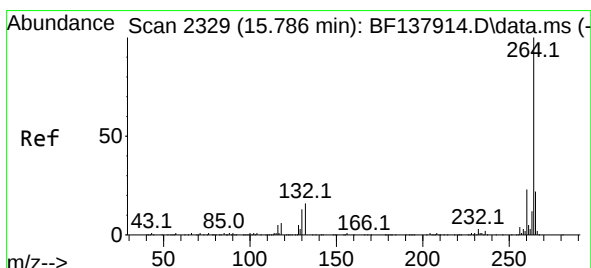
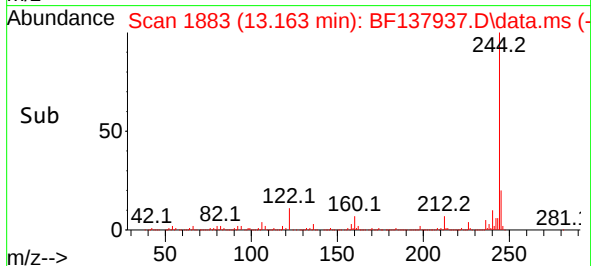
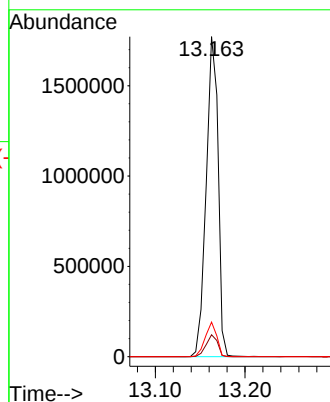
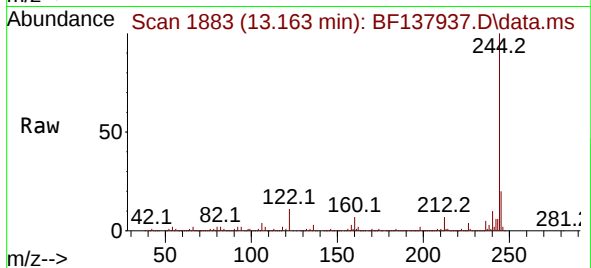
Tgt Ion:244 Resp: 1636478

Ion Ratio Lower Upper

244 100

212 6.8 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: BF137937.D

Acq: 17 May 2024 17:48

Tgt Ion:264 Resp: 311173

Ion Ratio Lower Upper

264 100

260 22.3 18.3 27.5

265 21.3 17.6 26.4

