

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137977.D
 Acq On : 21 May 2024 14:38
 Operator : CG\JU
 Sample : P2500-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-112-SB02

Quant Time: May 21 15:14:28 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)

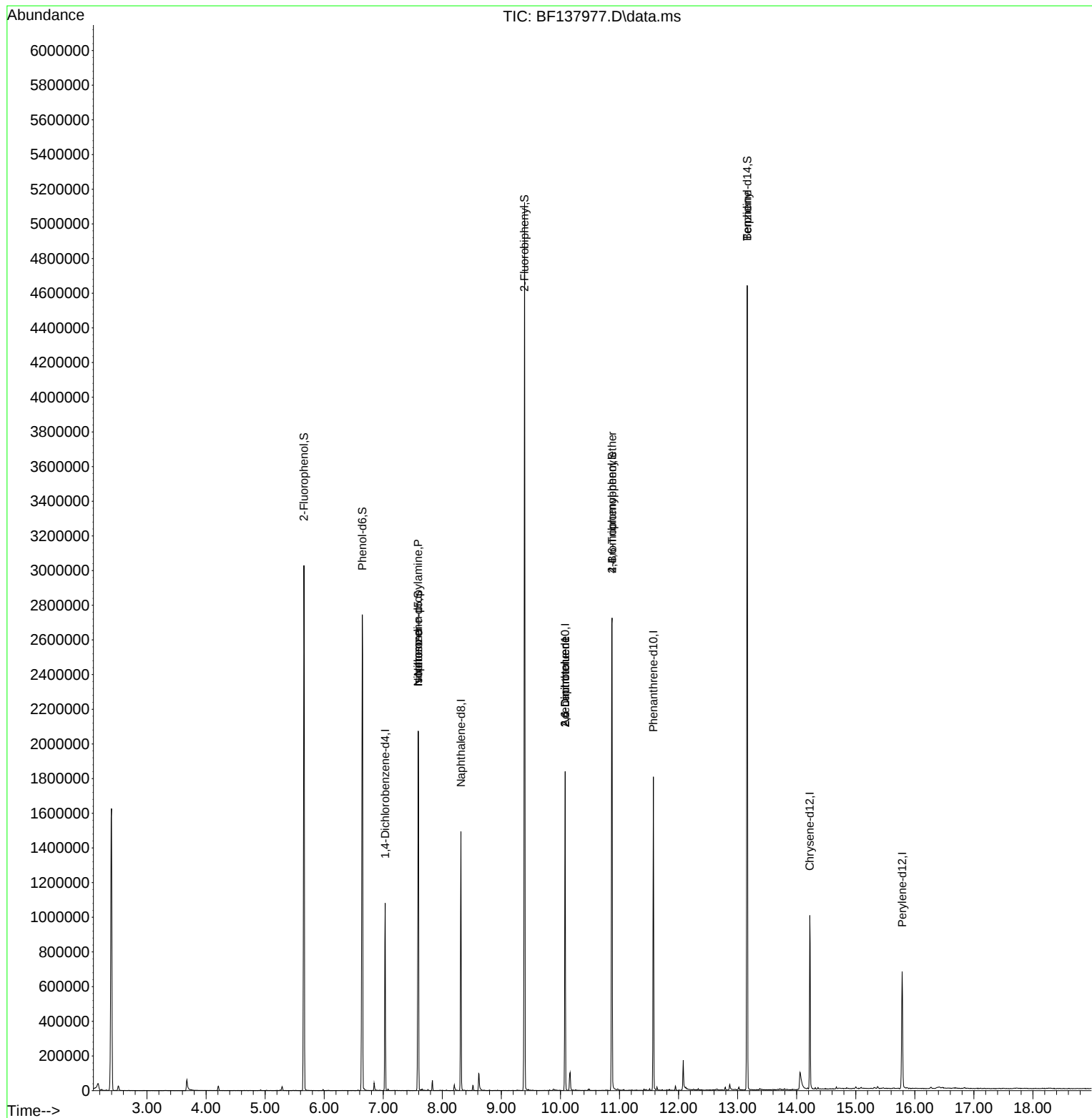
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	156540	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	621323	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	363741	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	610830	20.000	ng	0.00
76) Chrysene-d12	14.221	240	331394	20.000	ng	0.00
86) Perylene-d12	15.786	264	319357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	935713	101.536	ng	0.00
7) Phenol-d6	6.645	99	1184356	104.329	ng	-0.01
23) Nitrobenzene-d5	7.592	82	715740	67.793	ng	-0.02
42) 2,4,6-Tribromophenol	10.875	330	390039	106.347	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1534038	64.964	ng	0.00
79) Terphenyl-d14	13.163	244	1622791	72.170	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.592	70	93365	14.639	ng	# 76
25) Isophorone	7.592	82	715725	39.061	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	46554	8.893	ng	# 29
57) 2,4-Dinitrotoluene	10.081	165	46554	6.879	ng	# 33
67) 4-Bromophenyl-phenylether	10.875	248	25530	3.812	ng	# 1
77) Benzidine	13.163	184	18853	4.353	ng	# 87

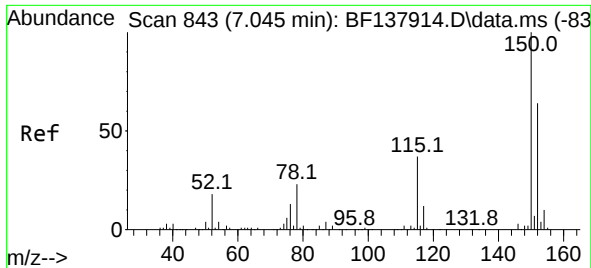
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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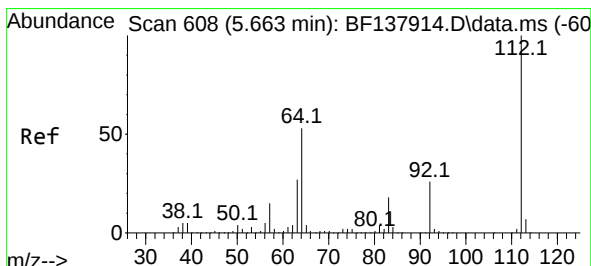
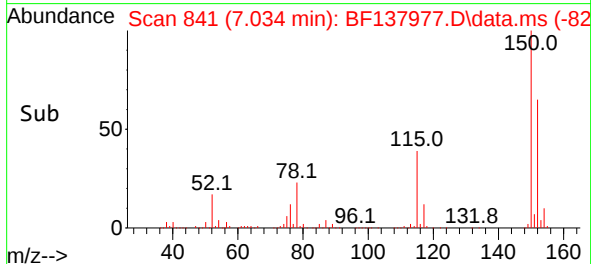
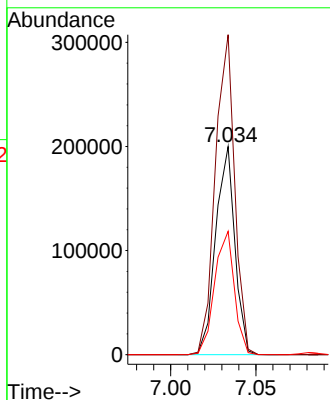
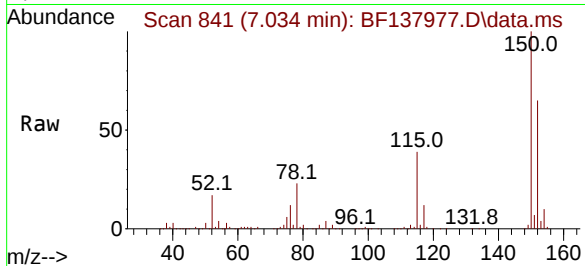




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

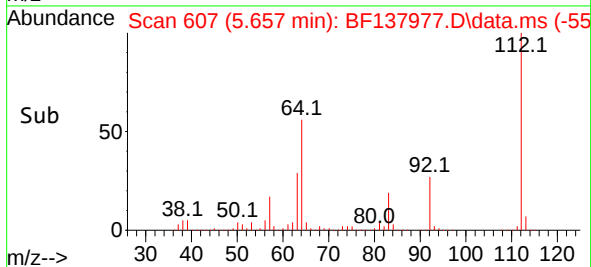
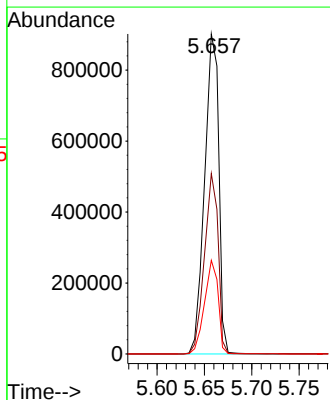
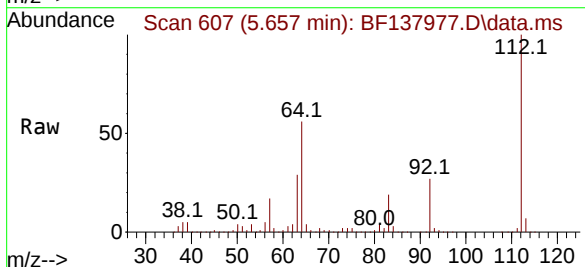
Instrument :
BNA_F
ClientSampleId :
B-112-SB02

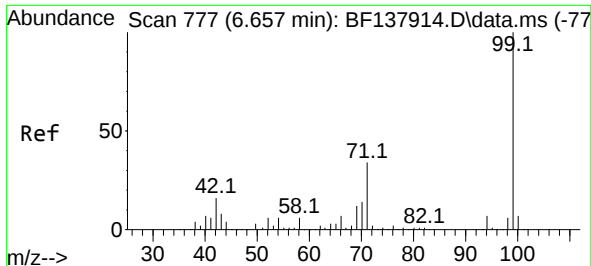
Tgt Ion:152 Resp: 156540
Ion Ratio Lower Upper
152 100
150 153.7 125.7 188.5
115 59.3 47.0 70.6



#5
2-Fluorophenol
Concen: 101.536 ng
RT: 5.657 min Scan# 607
Delta R.T. -0.006 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

Tgt Ion:112 Resp: 935713
Ion Ratio Lower Upper
112 100
64 56.4 42.4 63.6
63 29.3 21.4 32.2

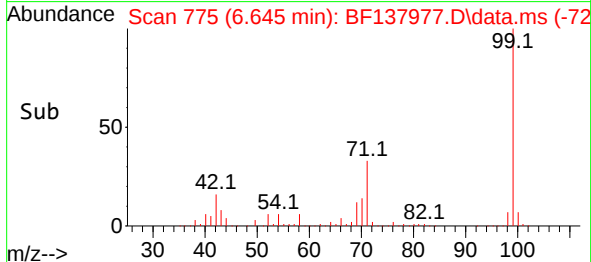
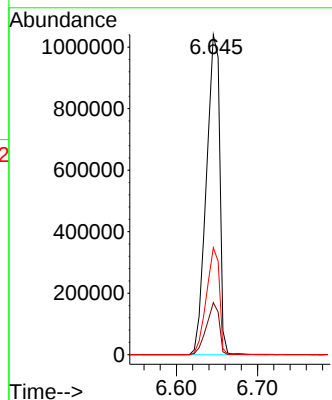
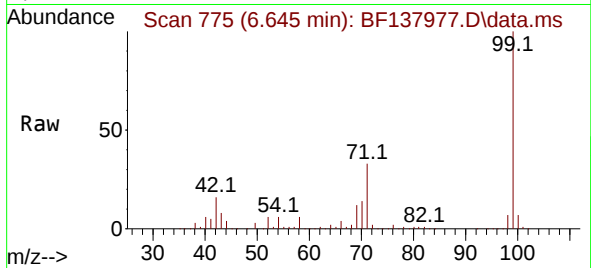




#7
Phenol-d6
Concen: 104.329 ng
RT: 6.645 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

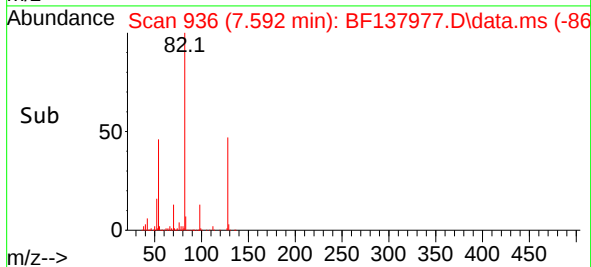
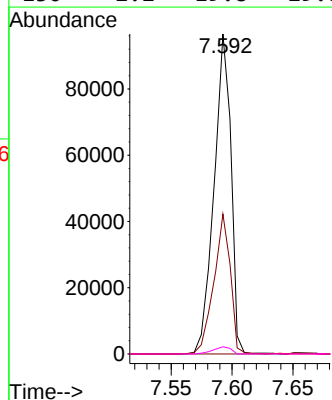
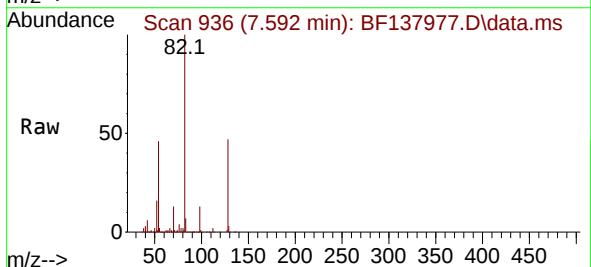
Instrument :
BNA_F
ClientSampleId :
B-112-SB02

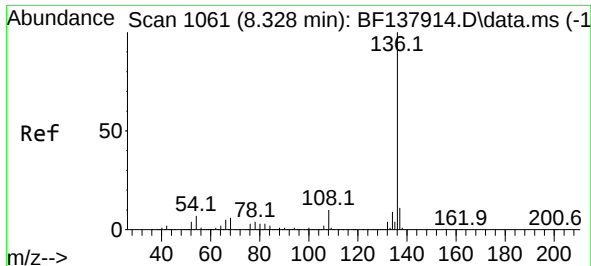
Tgt Ion: 99 Resp: 1184356
Ion Ratio Lower Upper
99 100
42 16.3 12.6 18.8
71 33.4 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.639 ng
RT: 7.592 min Scan# 936
Delta R.T. 0.141 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

Tgt Ion: 70 Resp: 93365
Ion Ratio Lower Upper
70 100
42 43.7 42.2 63.4
101 0.0 8.8 13.2#
130 2.2 19.8 29.8#



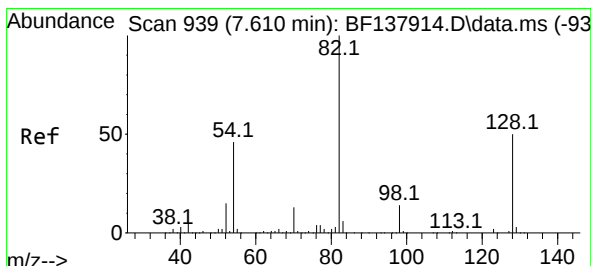
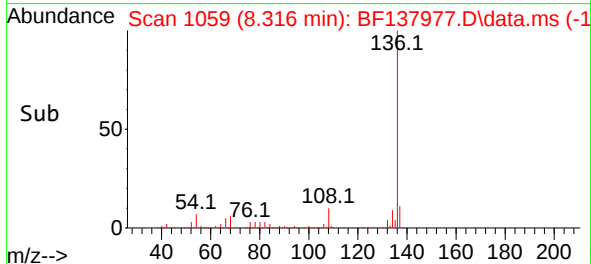
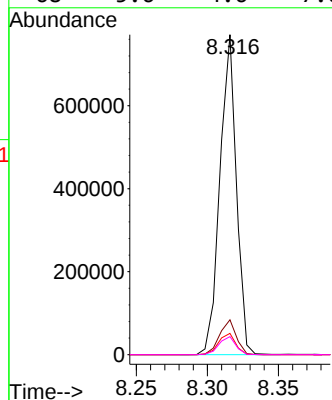
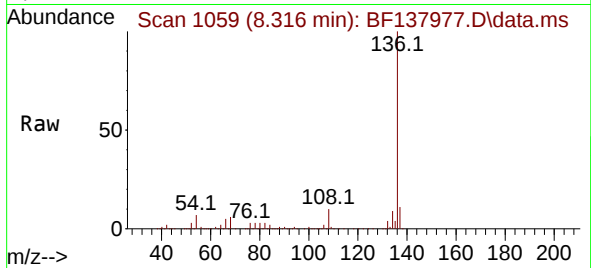


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

Instrument :
BNA_F
ClientSampleId :
B-112-SB02

Tgt Ion:136 Resp: 621323

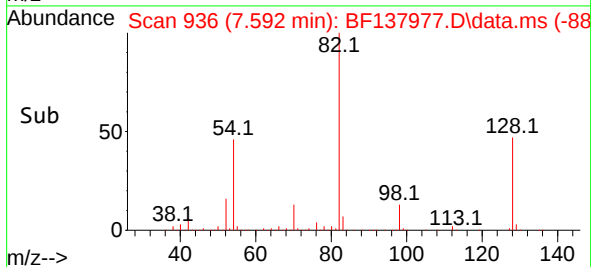
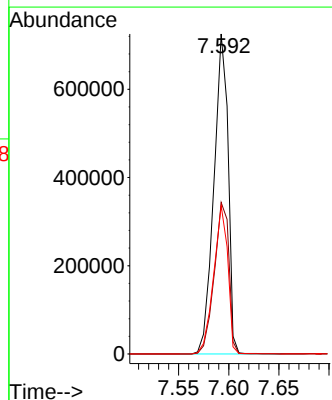
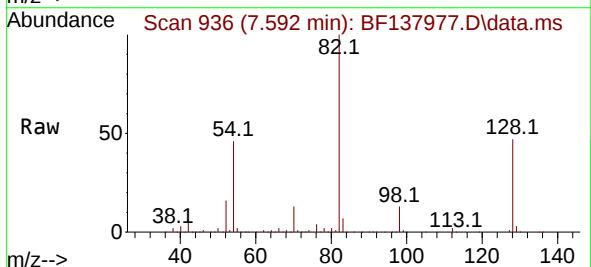
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.6	5.4	8.2
68	5.6	4.6	7.0



#23
Nitrobenzene-d5
Concen: 67.793 ng
RT: 7.592 min Scan# 936
Delta R.T. -0.018 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

Tgt Ion: 82 Resp: 715740

Ion	Ratio	Lower	Upper
82	100		
128	47.4	40.3	60.5
54	46.4	36.8	55.2

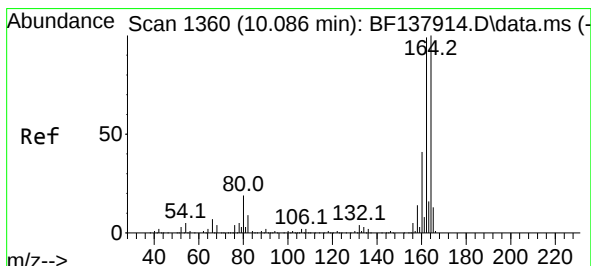
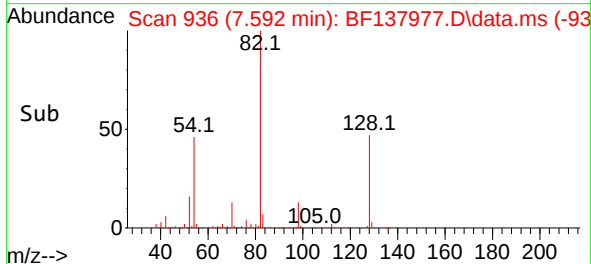
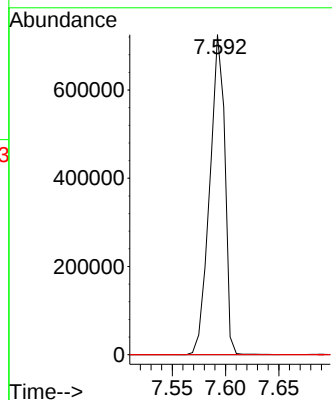
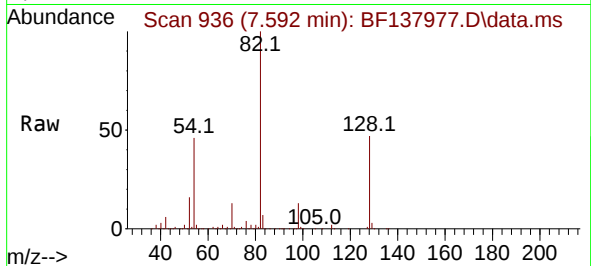




#25
Isophorone
Concen: 39.061 ng
RT: 7.592 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

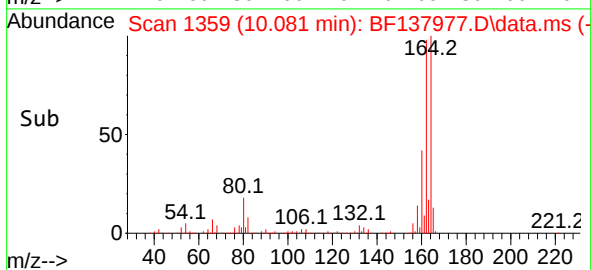
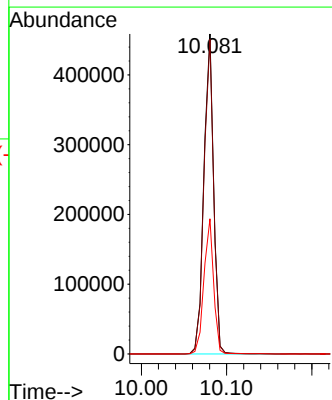
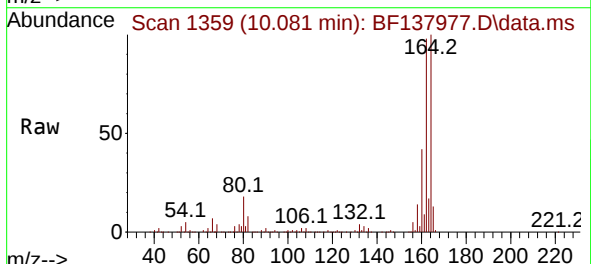
Instrument :
BNA_F
ClientSampleId :
B-112-SB02

Tgt Ion: 82 Resp: 715725
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: BF137977.D
Acq: 21 May 2024 14:38

Tgt Ion:164 Resp: 363741
Ion Ratio Lower Upper
164 100
162 98.3 79.4 119.2
160 42.2 33.1 49.7

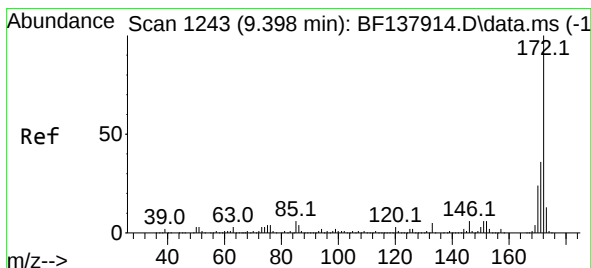
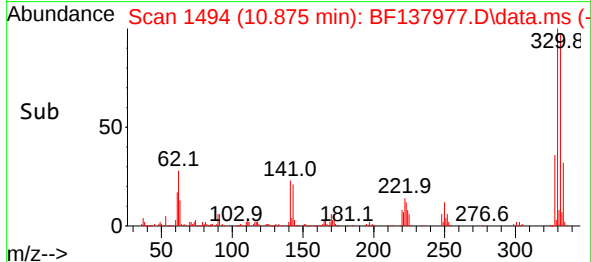
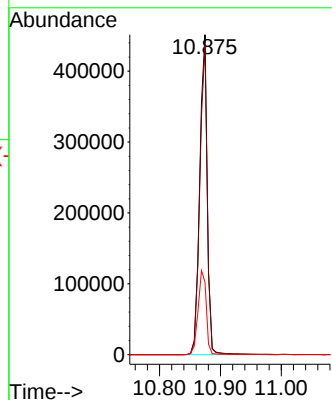
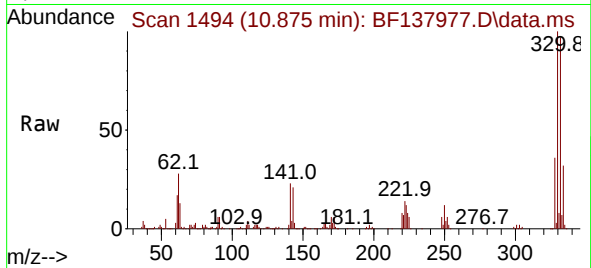




#42
2,4,6-Tribromophenol
Concen: 106.347 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

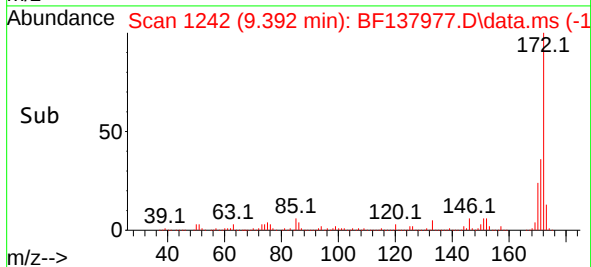
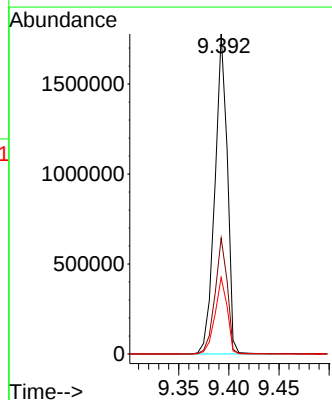
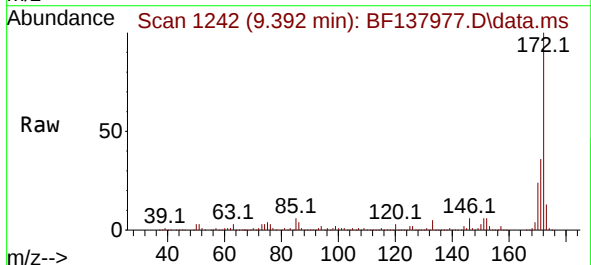
Instrument :
BNA_F
ClientSampleId :
B-112-SB02

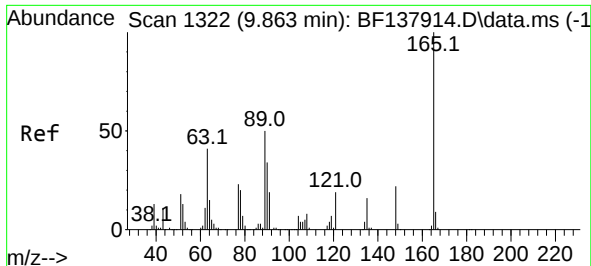
Tgt Ion:330 Resp: 390039
Ion Ratio Lower Upper
330 100
332 95.7 75.8 113.8
141 28.5 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 64.964 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

Tgt Ion:172 Resp: 1534038
Ion Ratio Lower Upper
172 100
171 36.3 28.9 43.3
170 23.9 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.893 ng

RT: 10.081 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF137977.D

Acq: 21 May 2024 14:38

Instrument :

BNA_F

ClientSampleId :

B-112-SB02

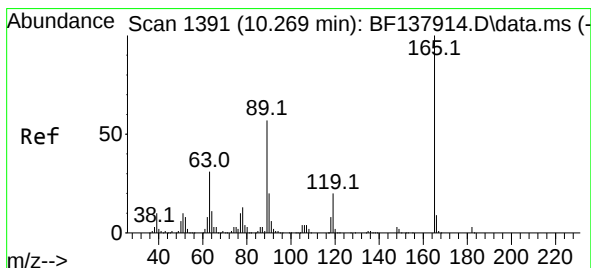
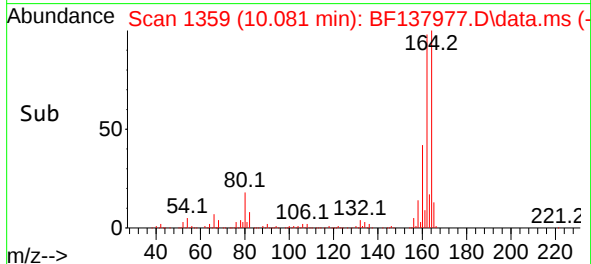
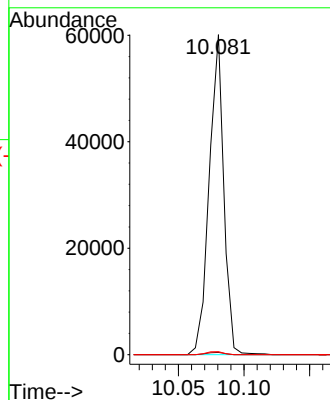
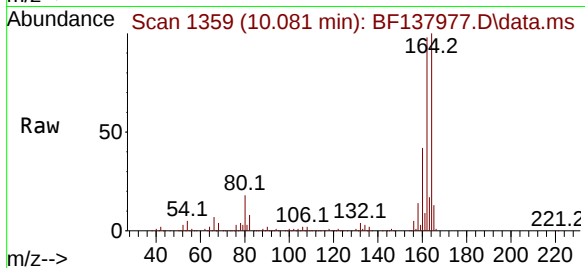
Tgt Ion:165 Resp: 46554

Ion Ratio Lower Upper

165 100

63 0.7 38.9 58.3#

89 1.0 40.4 60.6#



#57

2,4-Dinitrotoluene

Concen: 6.879 ng

RT: 10.081 min Scan# 1359

Delta R.T. -0.188 min

Lab File: BF137977.D

Acq: 21 May 2024 14:38

Tgt Ion:165 Resp: 46554

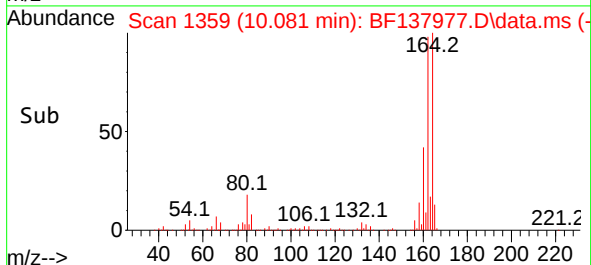
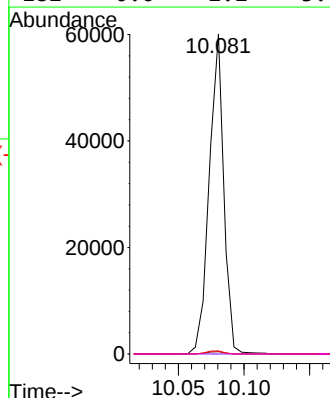
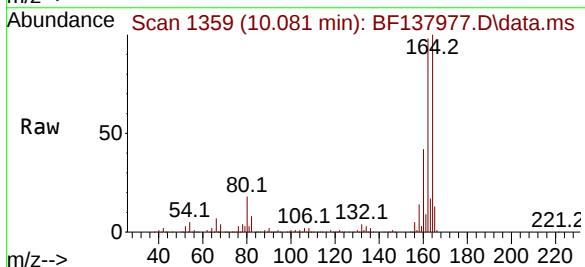
Ion Ratio Lower Upper

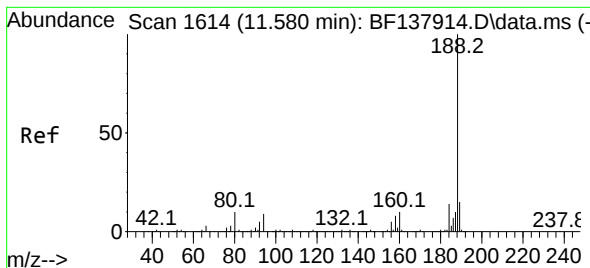
165 100

63 0.7 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: BF137977.D

Acq: 21 May 2024 14:38

Instrument :

BNA_F

ClientSampleId :

B-112-SB02

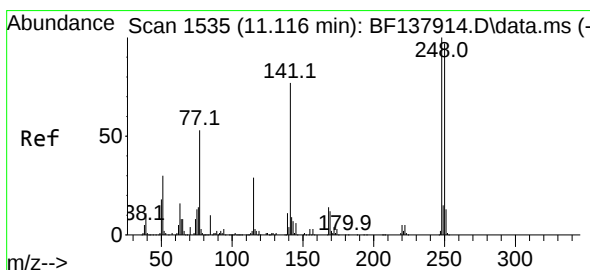
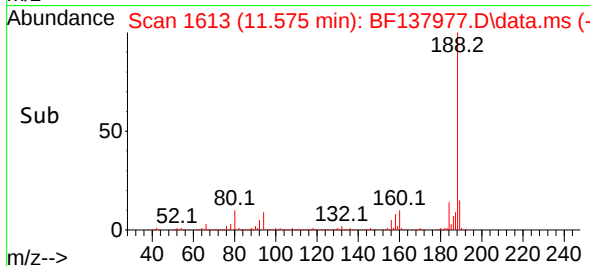
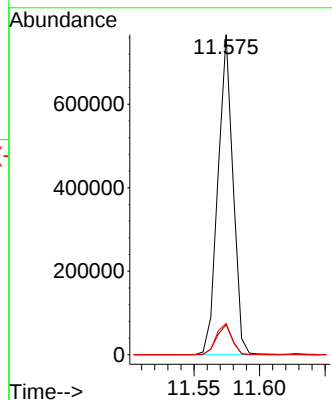
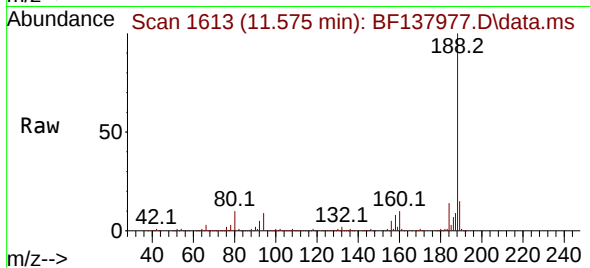
Tgt Ion:188 Resp: 610830

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.4

80 9.7 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 3.812 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137977.D

Acq: 21 May 2024 14:38

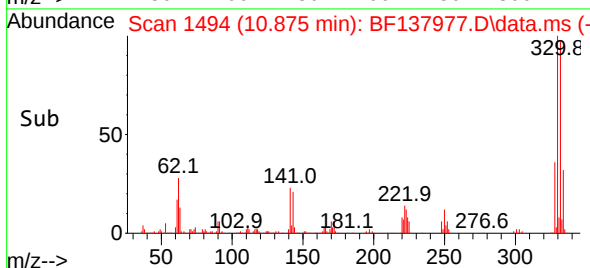
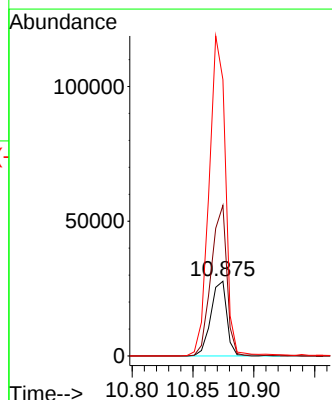
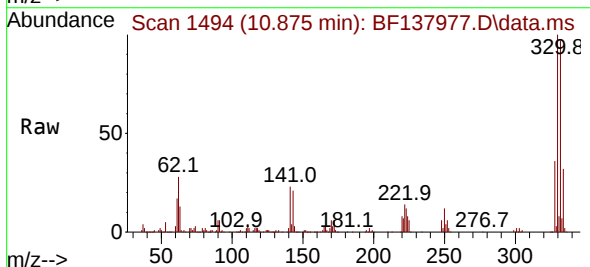
Tgt Ion:248 Resp: 25530

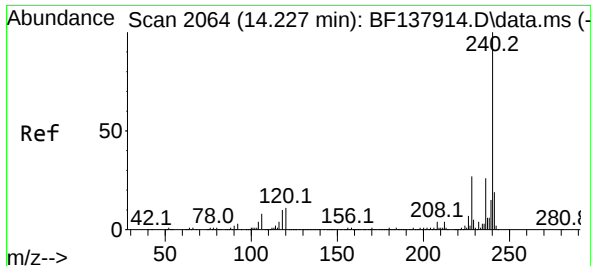
Ion Ratio Lower Upper

248 100

250 201.6 77.6 116.4#

141 369.8 61.4 92.2#

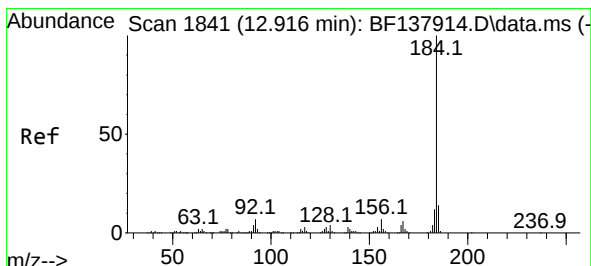
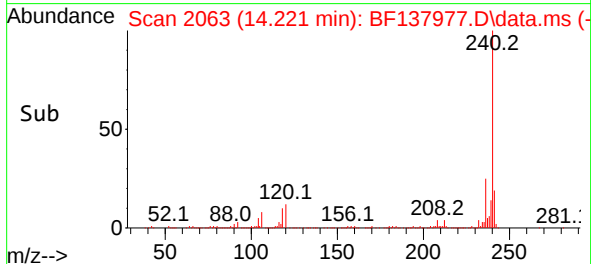
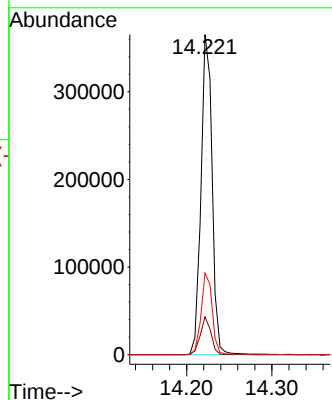
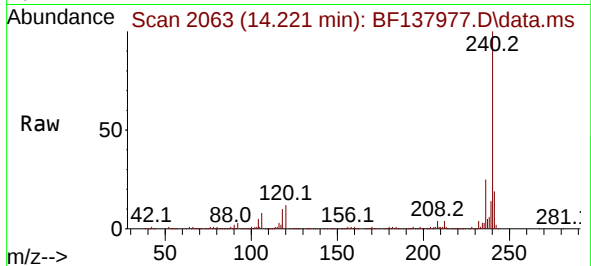




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

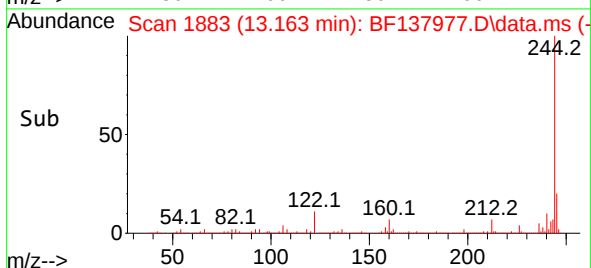
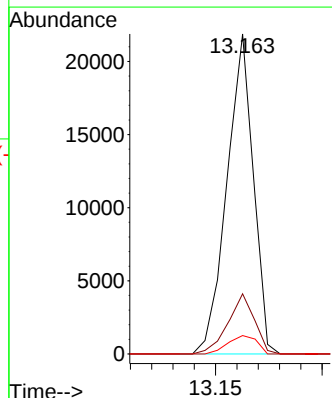
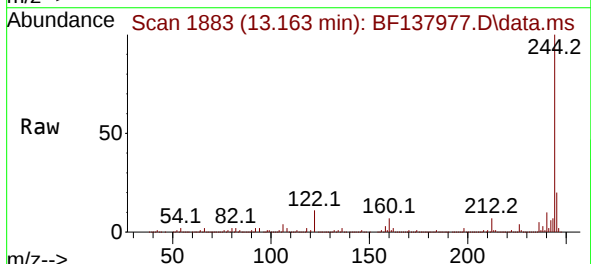
Instrument :
BNA_F
ClientSampleId :
B-112-SB02

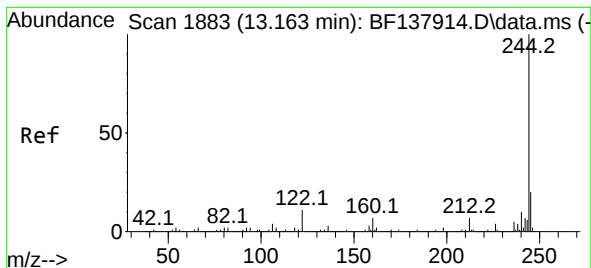
Tgt Ion:240 Resp: 331394
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 25.5 21.0 31.4



#77
Benzidine
Concen: 4.353 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF137977.D
Acq: 21 May 2024 14:38

Tgt Ion:184 Resp: 18853
Ion Ratio Lower Upper
184 100
185 18.8 11.4 17.2#
183 5.8 9.5 14.3#





#79

Terphenyl-d14

Concen: 72.170 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137977.D

Acq: 21 May 2024 14:38

Instrument :

BNA_F

ClientSampleId :

B-112-SB02

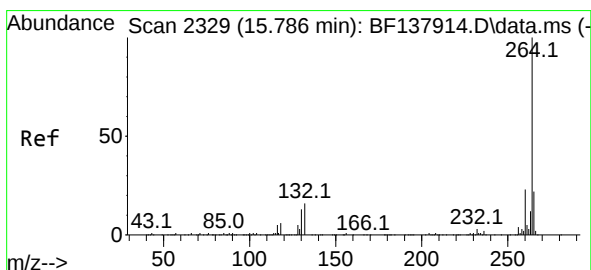
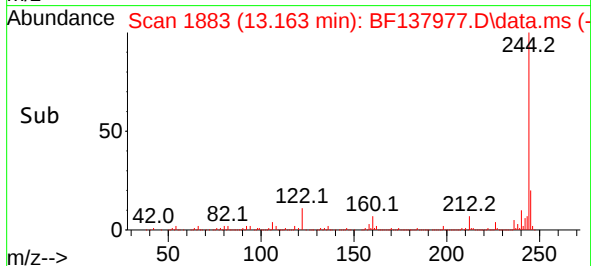
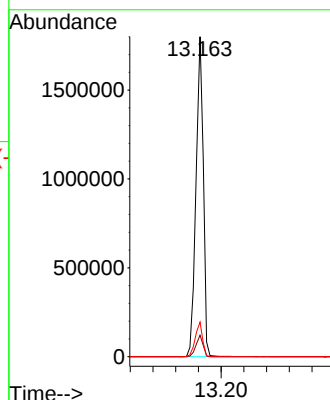
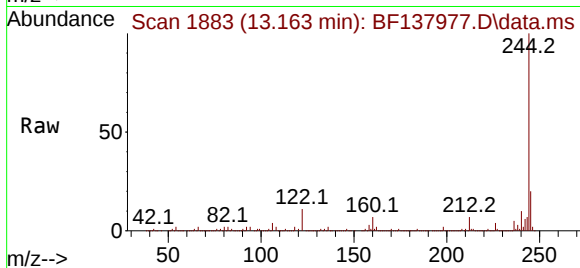
Tgt Ion:244 Resp: 1622791

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: BF137977.D

Acq: 21 May 2024 14:38

Tgt Ion:264 Resp: 319357

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 21.2 17.6 26.4

