

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137959.D
 Acq On : 20 May 2024 15:09
 Operator : CG\JU
 Sample : P2518-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-MH-FF

Quant Time: May 20 15:33:48 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)

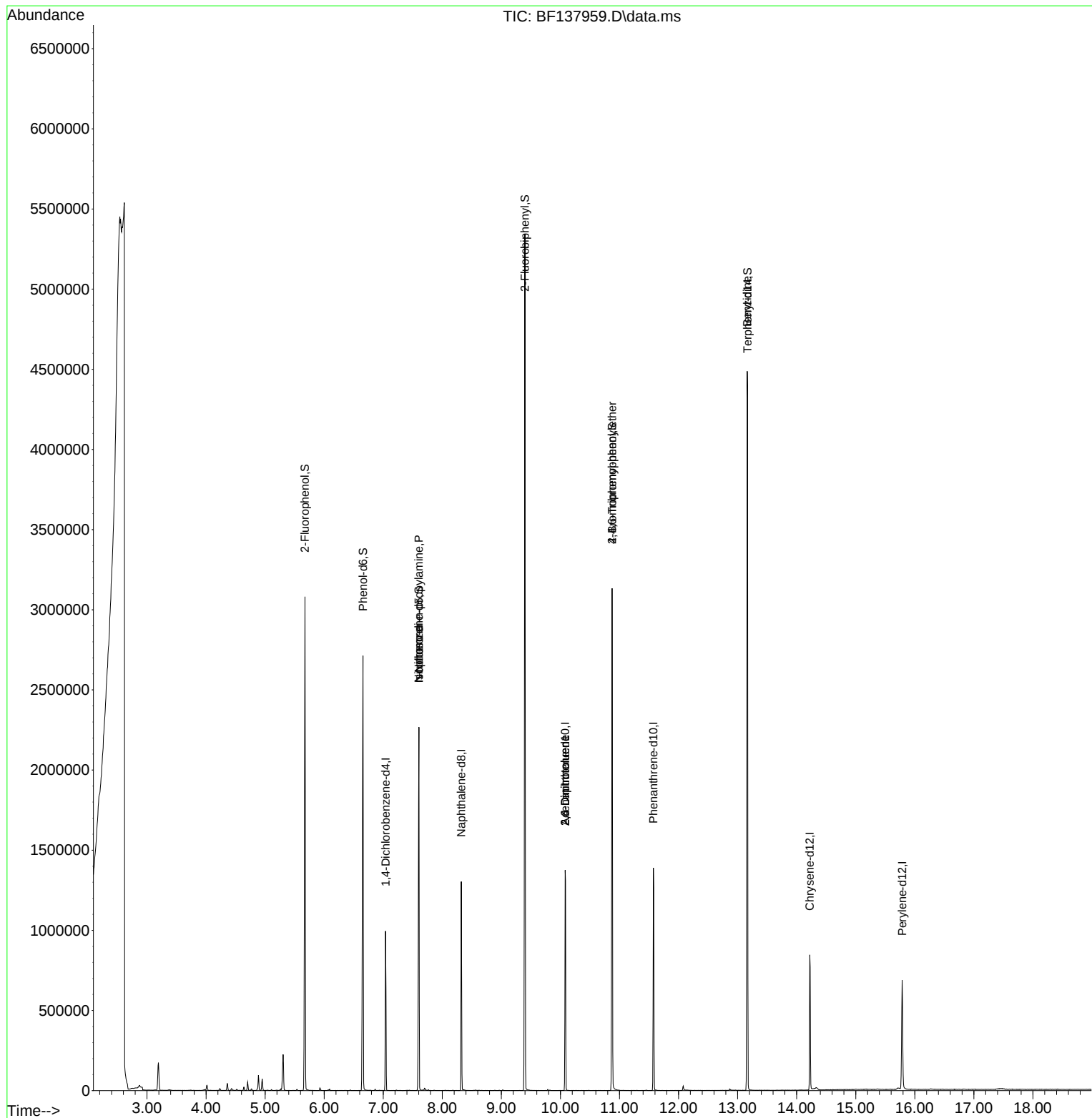
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.039	152	135991	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	528805	20.000	ng	0.00
39) Acenaphthene-d10	10.080	164	299802	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	521949	20.000	ng	# 0.00
76) Chrysene-d12	14.221	240	294282	20.000	ng	0.00
86) Perylene-d12	15.786	264	334544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	903669	112.876	ng	0.01
7) Phenol-d6	6.657	99	1029629	104.404	ng	0.00
23) Nitrobenzene-d5	7.604	82	707329	78.718	ng	0.00
42) 2,4,6-Tribromophenol	10.874	330	408153	135.020	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1582273	81.297	ng	0.00
79) Terphenyl-d14	13.168	244	1758079	88.047	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.604	70	94650	17.083	ng	# 74
25) Isophorone	7.604	82	707321	45.356	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	38456	8.912	ng	# 30
57) 2,4-Dinitrotoluene	10.080	165	38456	6.894	ng	# 33
67) 4-Bromophenyl-phenylether	10.874	248	25839	4.516	ng	# 1
77) Benzidine	13.162	184	21189	5.509	ng	# 93

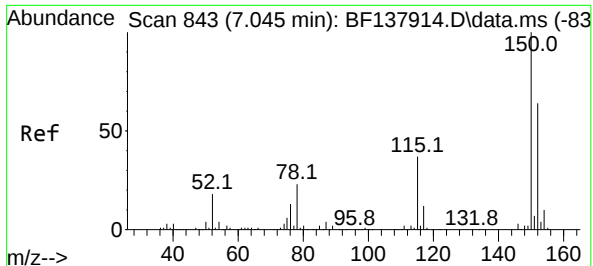
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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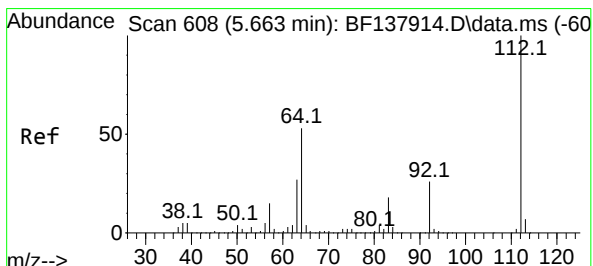
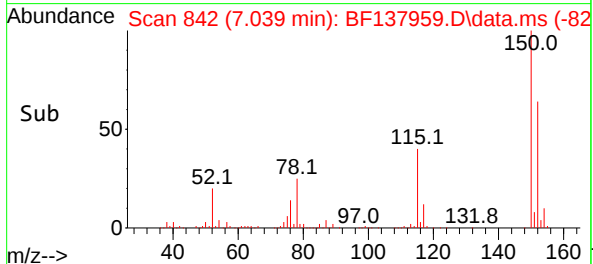
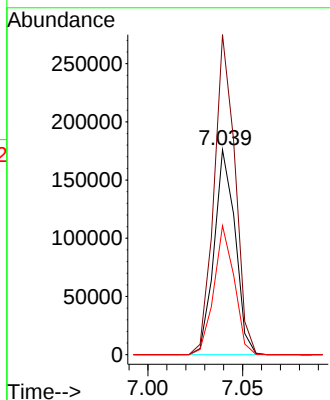
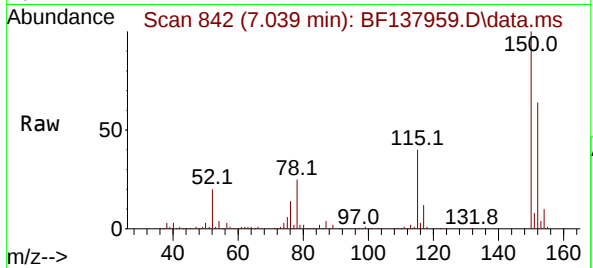




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.039 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

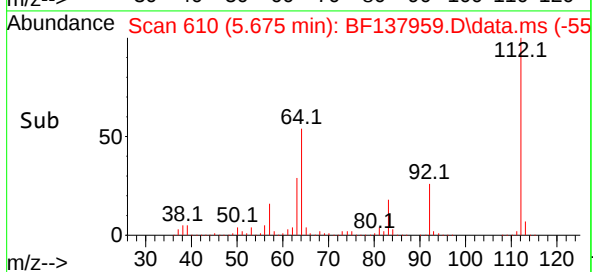
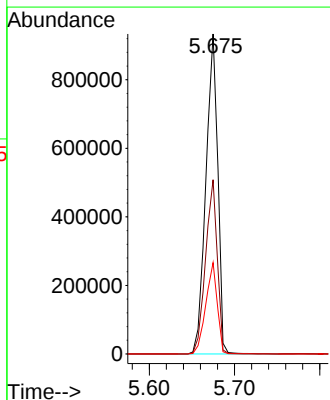
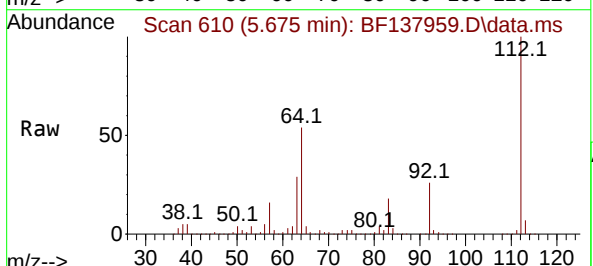
Instrument :
BNA_F
ClientSampleId :
WC-MH-FF

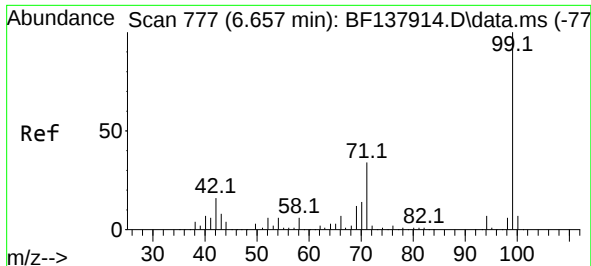
Tgt Ion:152 Resp: 135991
Ion Ratio Lower Upper
152 100
150 156.1 125.7 188.5
115 62.9 47.0 70.6



#5
2-Fluorophenol
Concen: 112.876 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.012 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

Tgt Ion:112 Resp: 903669
Ion Ratio Lower Upper
112 100
64 54.5 42.4 63.6
63 28.5 21.4 32.2



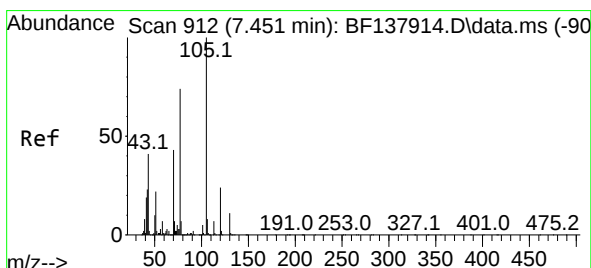
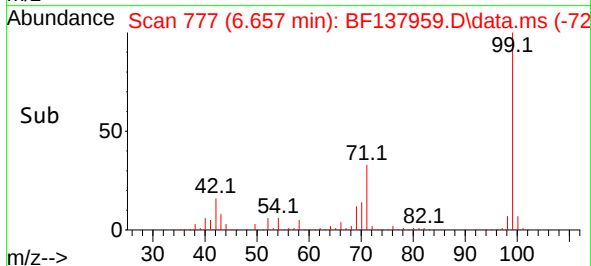
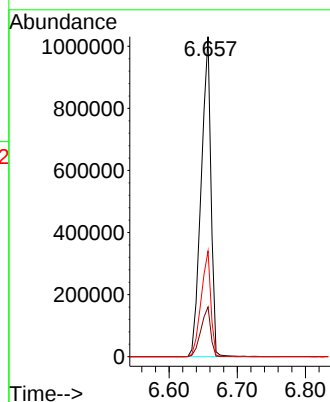
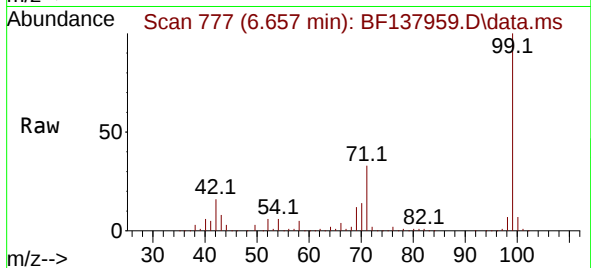


#7
Phenol-d6
Concen: 104.404 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

Instrument :
BNA_F
ClientSampleId :
WC-MH-FF

Tgt Ion: 99 Resp: 1029629

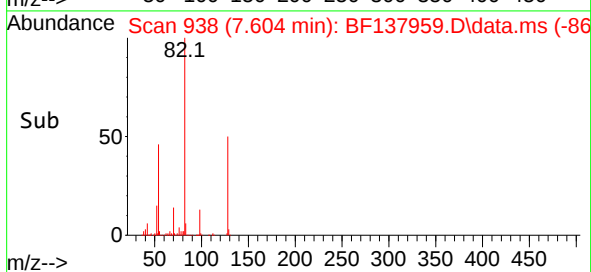
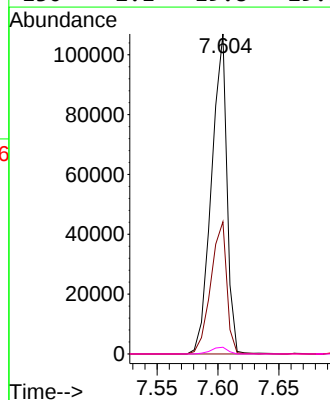
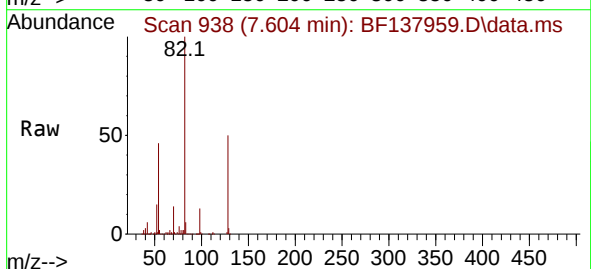
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.6	18.8
71	33.0	27.1	40.7

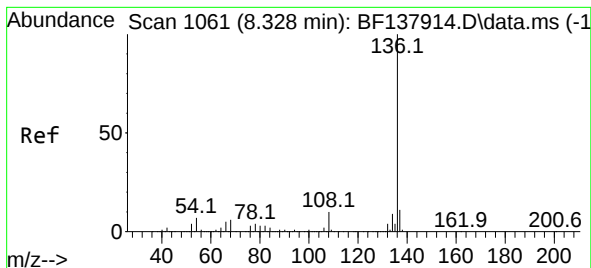


#19
n-Nitroso-di-n-propylamine
Concen: 17.083 ng
RT: 7.604 min Scan# 938
Delta R.T. 0.153 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

Tgt Ion: 70 Resp: 94650

Ion	Ratio	Lower	Upper
70	100		
42	41.3	42.2	63.4#
101	0.0	8.8	13.2#
130	2.1	19.8	29.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137959.D

Acq: 20 May 2024 15:09

Instrument :

BNA_F

ClientSampleId :

WC-MH-FF

Tgt Ion:136 Resp: 528805

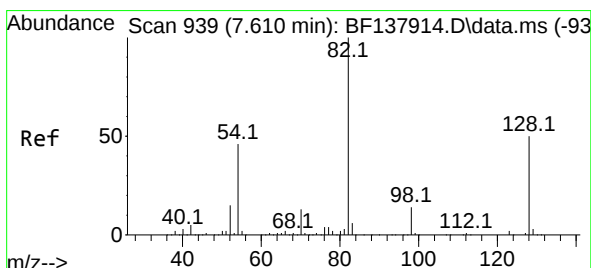
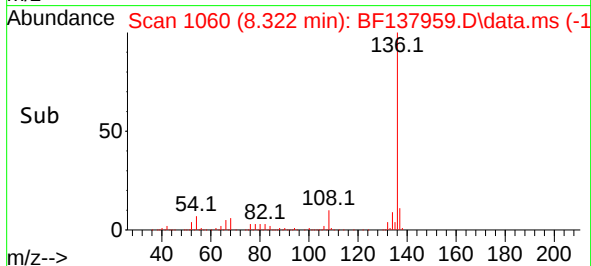
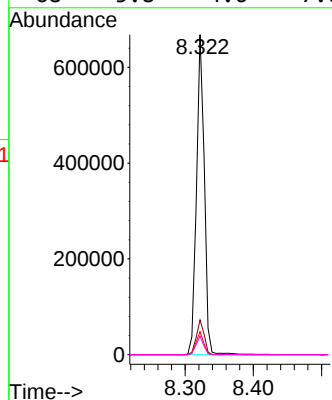
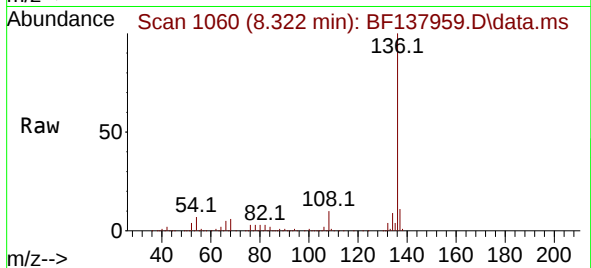
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.2 5.4 8.2

68 5.8 4.6 7.0



#23

Nitrobenzene-d5

Concen: 78.718 ng

RT: 7.604 min Scan# 938

Delta R.T. -0.006 min

Lab File: BF137959.D

Acq: 20 May 2024 15:09

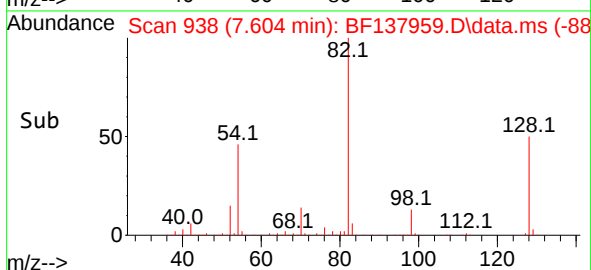
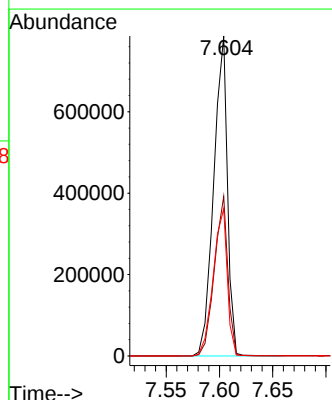
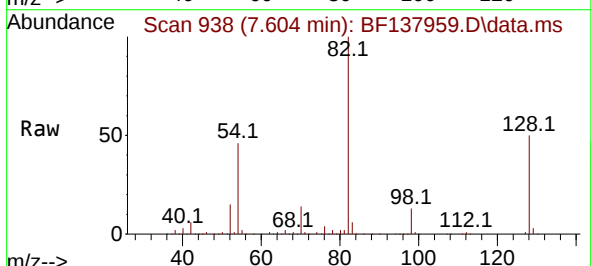
Tgt Ion: 82 Resp: 707329

Ion Ratio Lower Upper

82 100

128 49.8 40.3 60.5

54 46.0 36.8 55.2

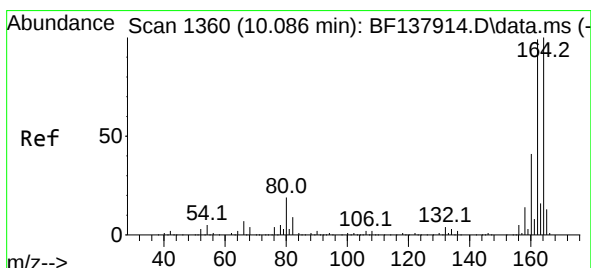
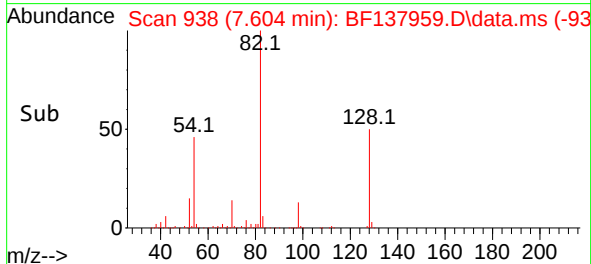
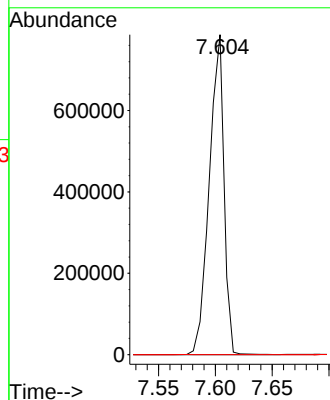
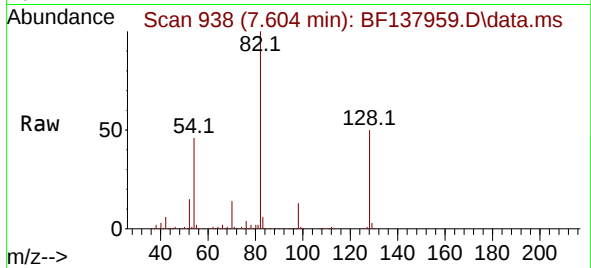




#25
Isophorone
Concen: 45.356 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.253 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

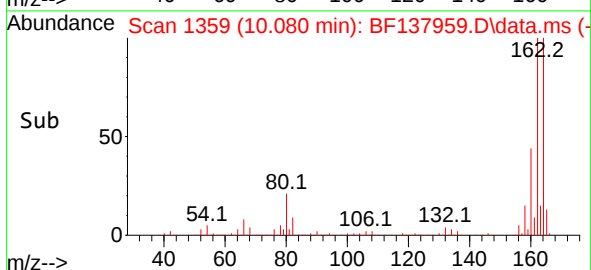
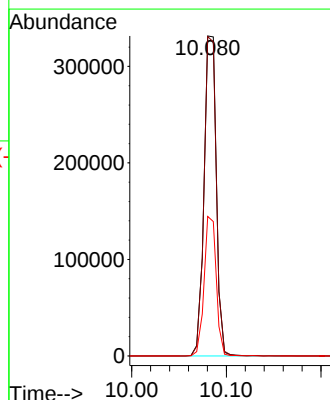
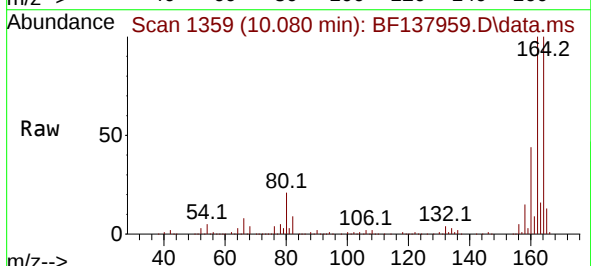
Instrument :
BNA_F
ClientSampleId :
WC-MH-FF

Tgt Ion: 82 Resp: 707321
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: BF137959.D
Acq: 20 May 2024 15:09

Tgt Ion:164 Resp: 299802
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.2
160 43.6 33.1 49.7

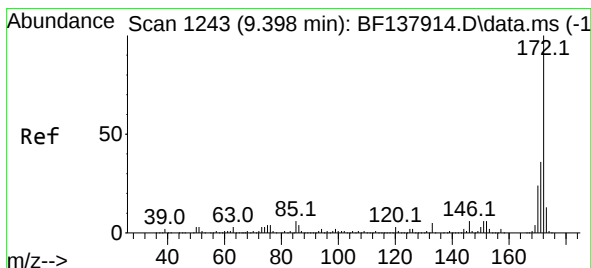
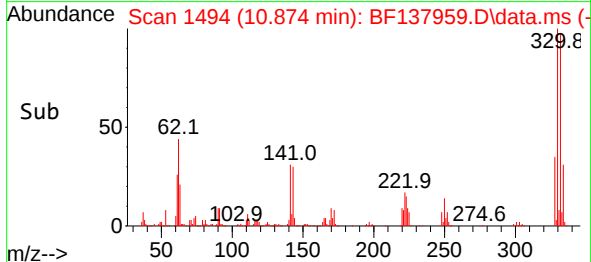
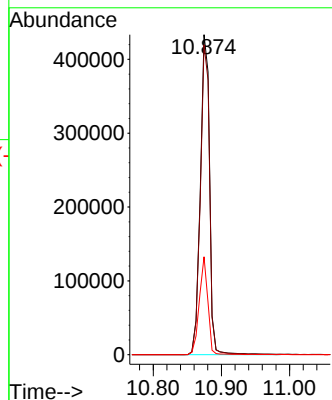
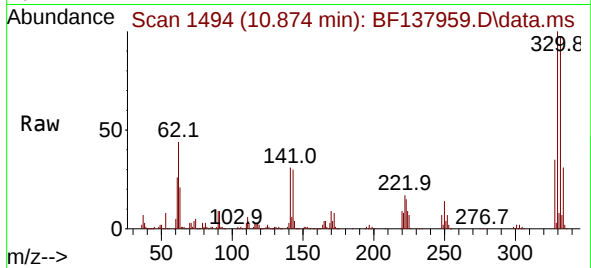




#42
2,4,6-Tribromophenol
Concen: 135.020 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

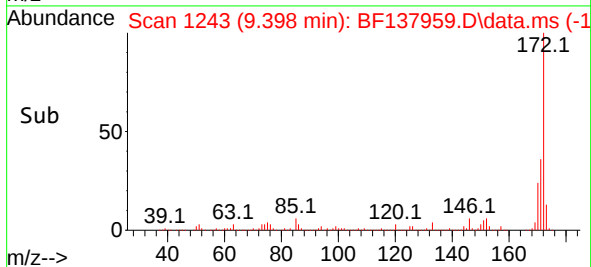
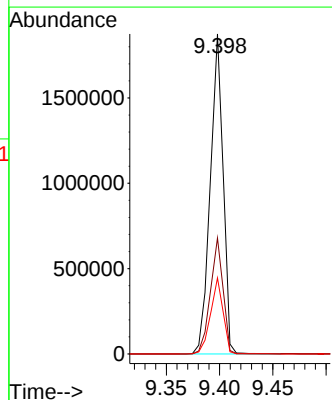
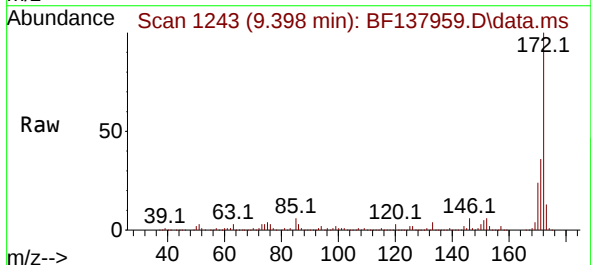
Instrument :
BNA_F
ClientSampleId :
WC-MH-FF

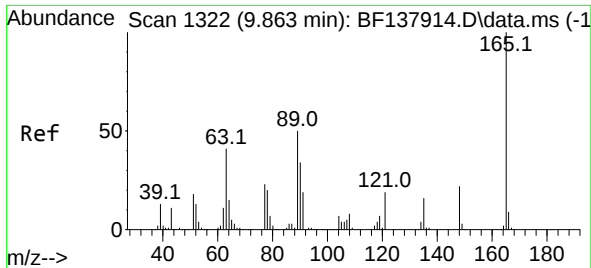
Tgt Ion:330 Resp: 408153
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.8
141 28.4 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 81.297 ng
RT: 9.398 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

Tgt Ion:172 Resp: 1582273
Ion Ratio Lower Upper
172 100
171 36.2 28.9 43.3
170 23.8 18.9 28.3

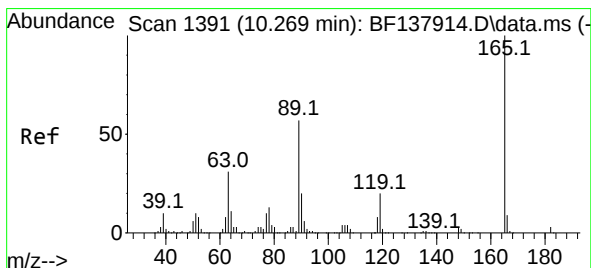
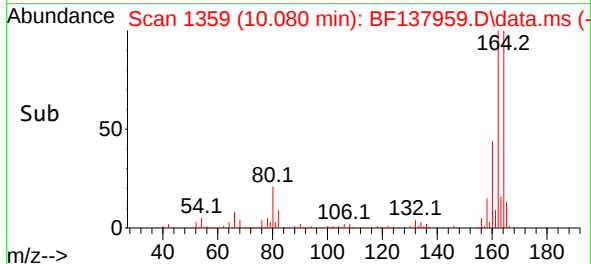
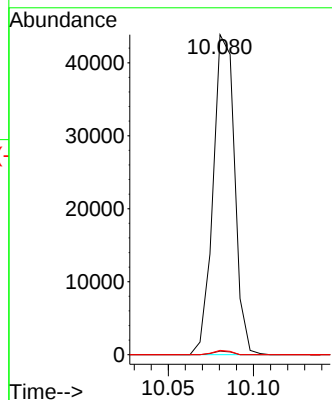
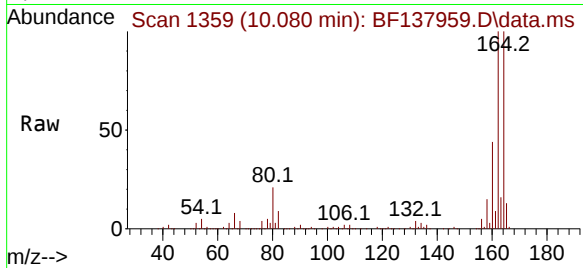




#51
2,6-Dinitrotoluene
Concen: 8.912 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.218 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

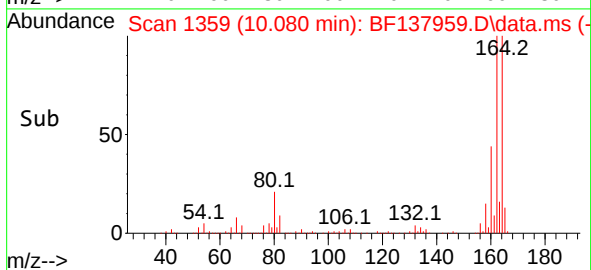
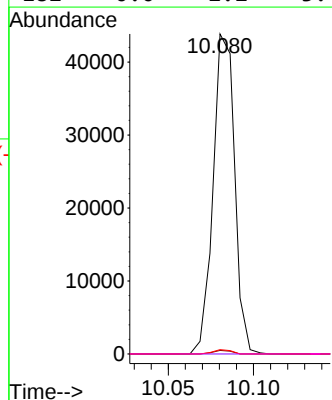
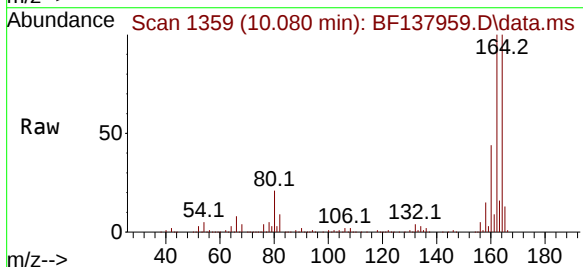
Instrument :
BNA_F
ClientSampleId :
WC-MH-FF

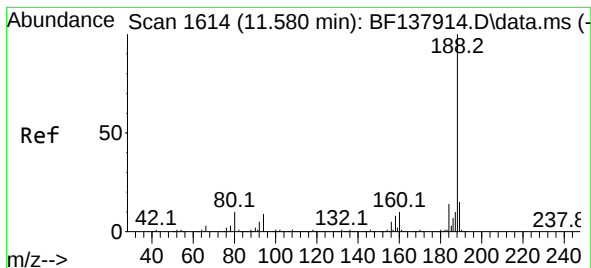
Tgt Ion:165 Resp: 38456
Ion Ratio Lower Upper
165 100
63 1.1 38.9 58.3#
89 1.4 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 6.894 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

Tgt Ion:165 Resp: 38456
Ion Ratio Lower Upper
165 100
63 1.1 25.3 37.9#
89 1.4 45.9 68.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137959.D

Acq: 20 May 2024 15:09

Instrument :

BNA_F

ClientSampleId :

WC-MH-FF

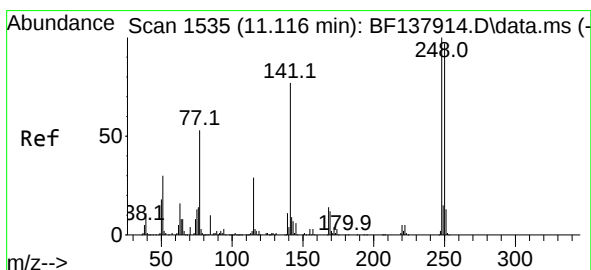
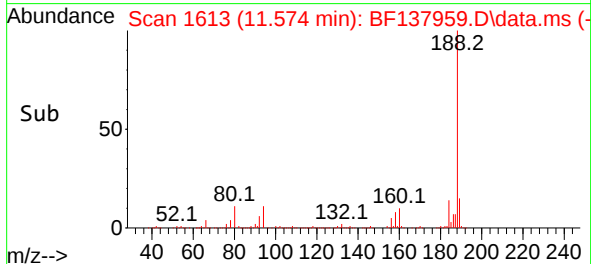
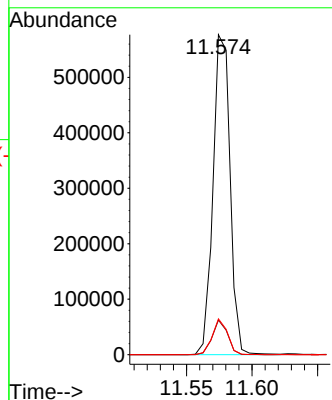
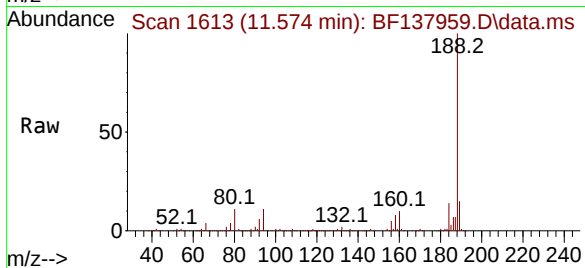
Tgt Ion:188 Resp: 521949

Ion Ratio Lower Upper

188 100

94 10.8 7.0 10.4#

80 11.2 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.516 ng

RT: 10.874 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137959.D

Acq: 20 May 2024 15:09

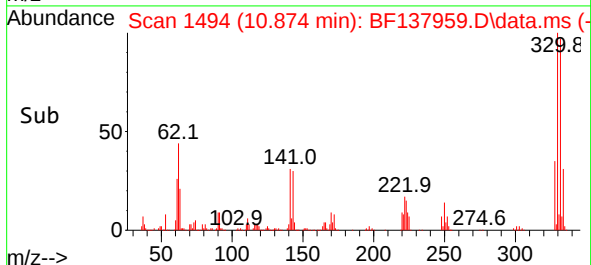
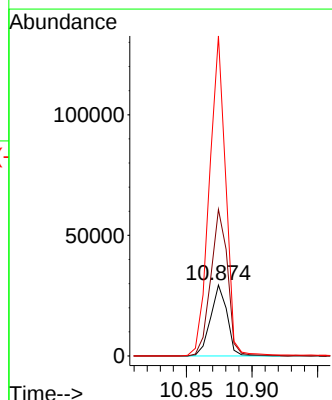
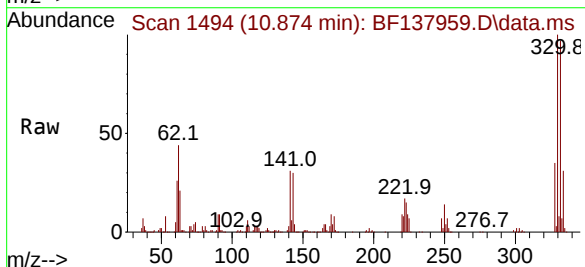
Tgt Ion:248 Resp: 25839

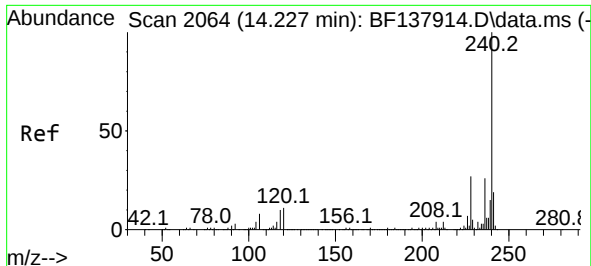
Ion Ratio Lower Upper

248 100

250 206.7 77.6 116.4#

141 451.4 61.4 92.2#

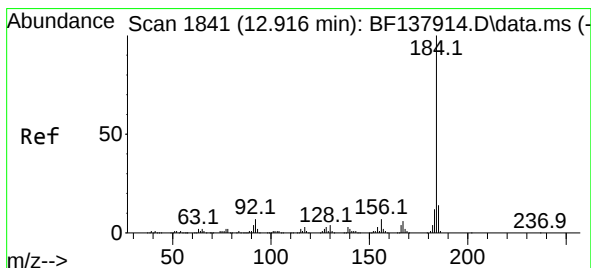
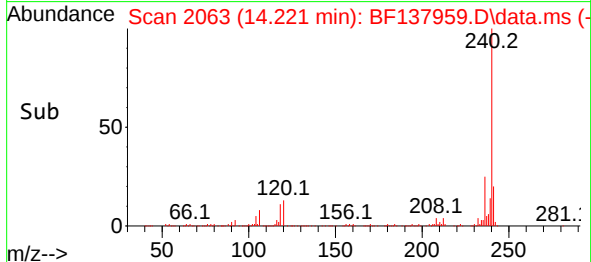
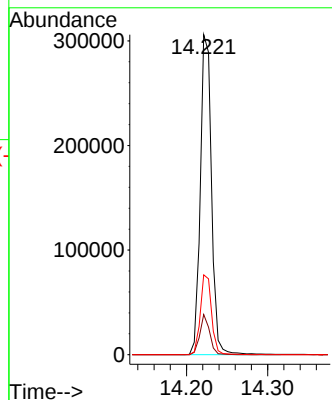
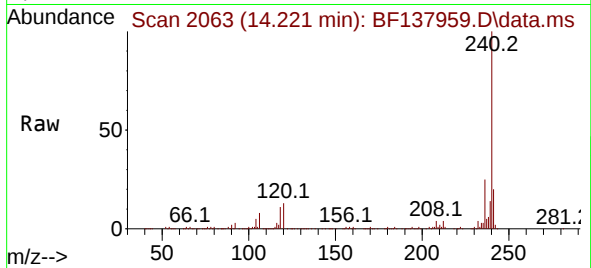




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

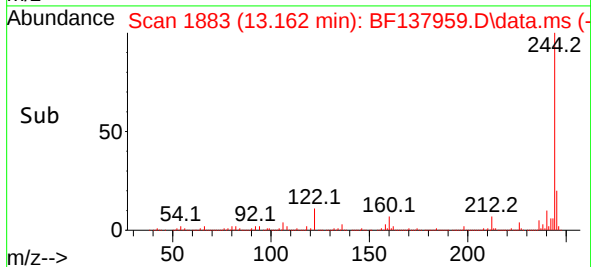
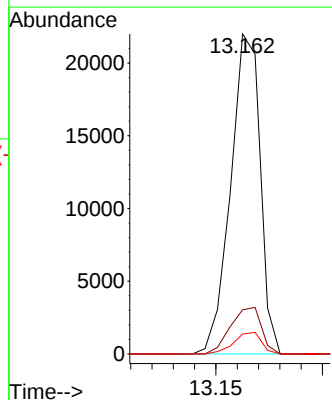
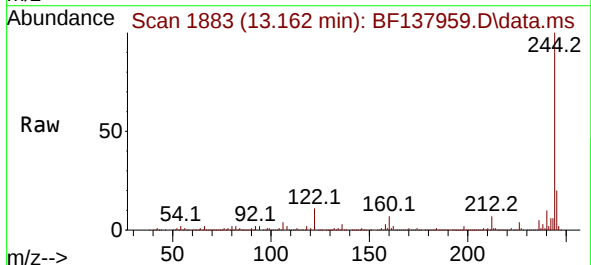
Instrument :
BNA_F
ClientSampleId :
WC-MH-FF

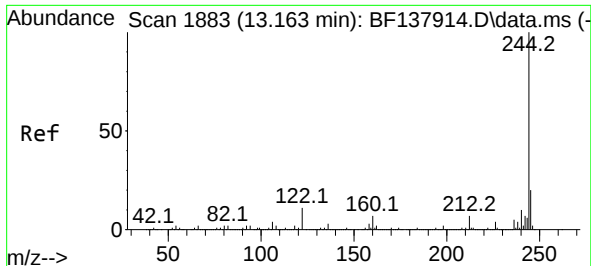
Tgt Ion:240 Resp: 294282
Ion Ratio Lower Upper
240 100
120 12.5 8.9 13.3
236 25.0 21.0 31.4



#77
Benzidine
Concen: 5.509 ng
RT: 13.162 min Scan# 1883
Delta R.T. 0.246 min
Lab File: BF137959.D
Acq: 20 May 2024 15:09

Tgt Ion:184 Resp: 21189
Ion Ratio Lower Upper
184 100
185 13.8 11.4 17.2
183 6.2 9.5 14.3#

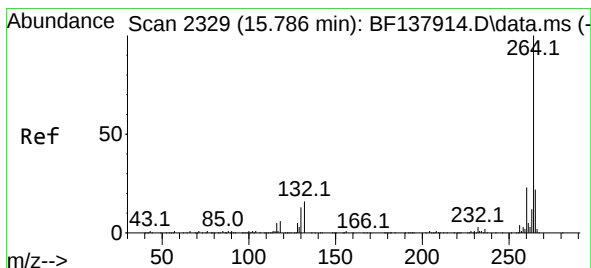
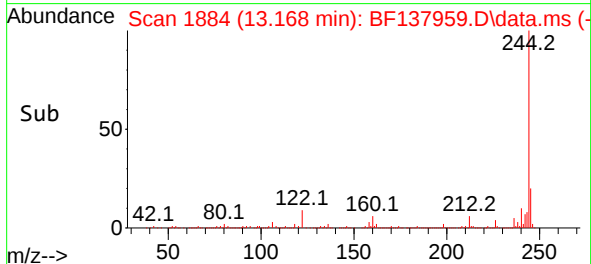
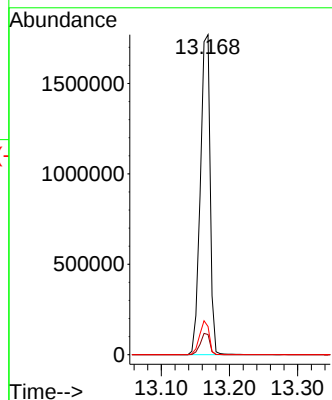
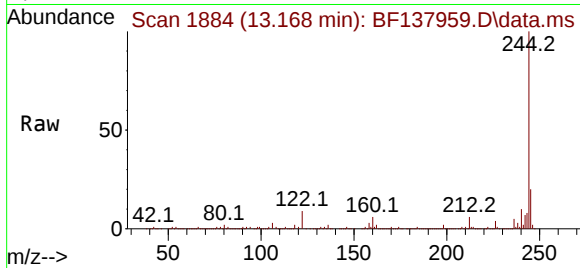




#79
 Terphenyl-d14
 Concen: 88.047 ng
 RT: 13.168 min Scan# 1883
 Delta R.T. 0.006 min
 Lab File: BF137959.D
 Acq: 20 May 2024 15:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-MH-FF

Tgt Ion:244 Resp: 1758079
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 8.8 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: BF137959.D
 Acq: 20 May 2024 15:09

Tgt Ion:264 Resp: 334544
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.3 27.5
 265 22.1 17.6 26.4

