

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137951.D
 Acq On : 20 May 2024 10:25
 Operator : CG\JU
 Sample : PB160935TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB160935TB

Quant Time: May 20 11:31:39 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)

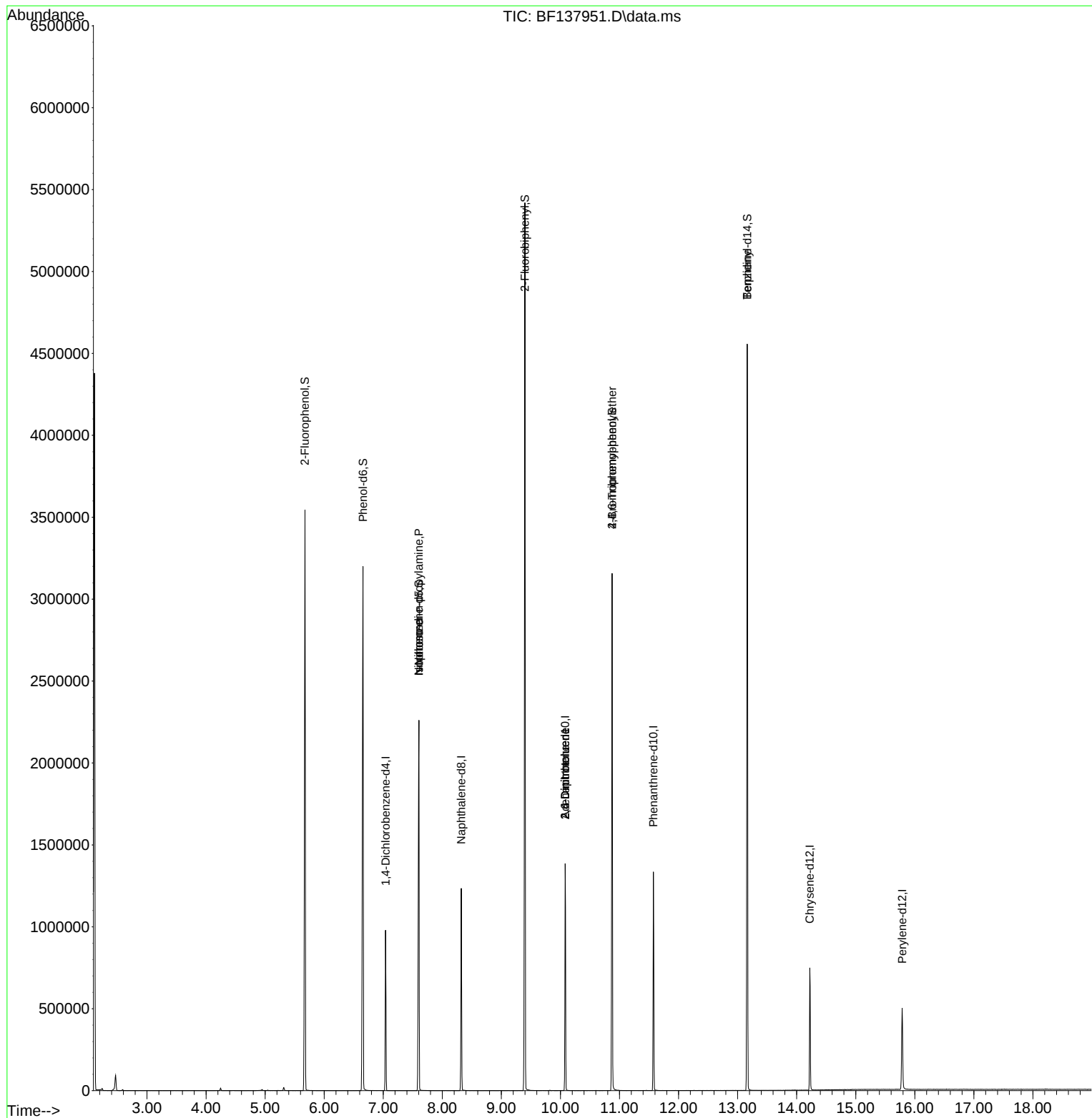
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.039	152	131362	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	510166	20.000	ng	0.00
39) Acenaphthene-d10	10.080	164	282169	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	472054	20.000	ng	0.00
76) Chrysene-d12	14.221	240	250355	20.000	ng	0.00
86) Perylene-d12	15.786	264	245252	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1079539	139.595	ng	0.01
7) Phenol-d6	6.657	99	1294703	135.909	ng	0.00
23) Nitrobenzene-d5	7.604	82	796209	91.847	ng	0.00
42) 2,4,6-Tribromophenol	10.874	330	396698	139.432	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1709983	93.350	ng	0.00
79) Terphenyl-d14	13.163	244	1662579	97.873	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.604	70	103842	19.402	ng	# 75
25) Isophorone	7.604	82	796201	52.920	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	36721	9.042	ng	# 29
57) 2,4-Dinitrotoluene	10.080	165	36721	6.994	ng	# 33
67) 4-Bromophenyl-phenylether	10.874	248	25776	4.981	ng	# 1
77) Benzidine	13.163	184	19512	5.964	ng	# 87

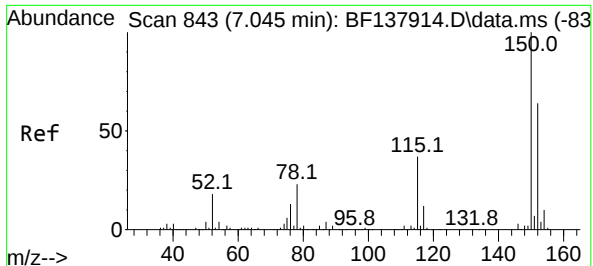
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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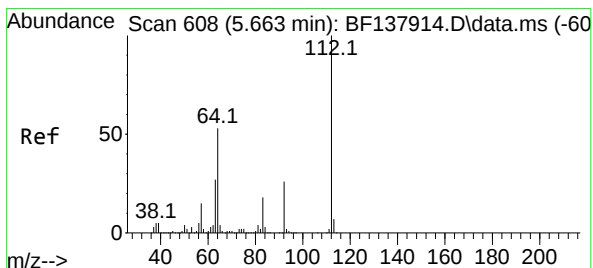
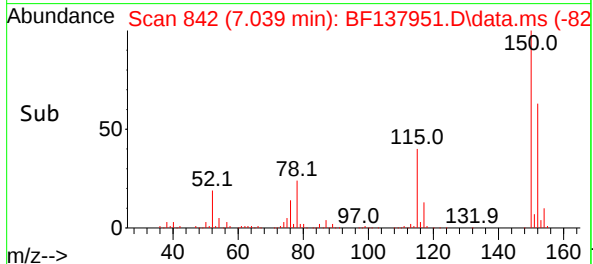
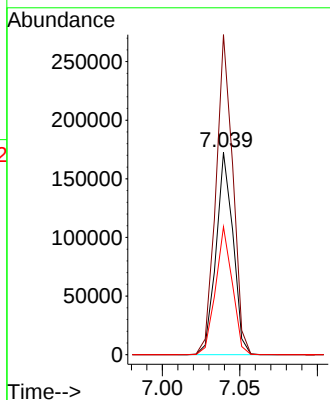
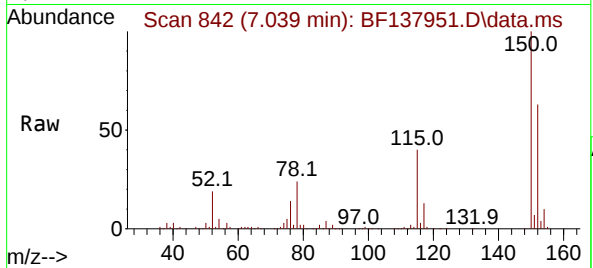




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.039 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

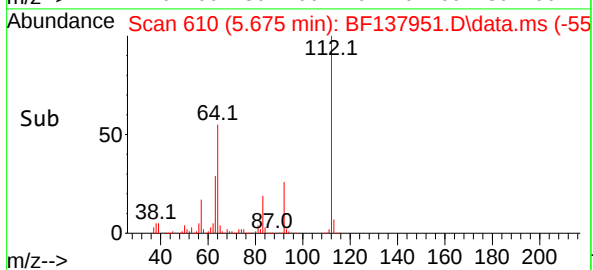
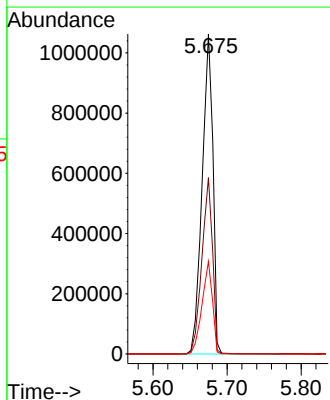
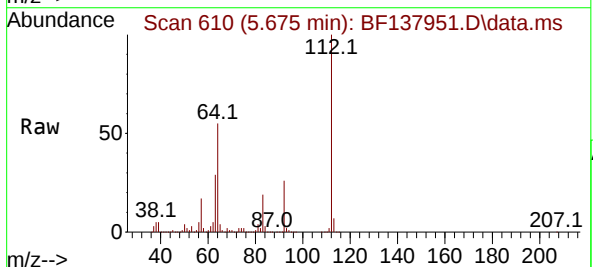
Instrument :
BNA_F
ClientSampleId :
PB160935TB

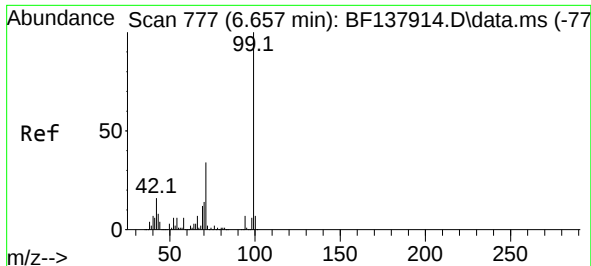
Tgt Ion:152 Resp: 131362
Ion Ratio Lower Upper
152 100
150 158.2 125.7 188.5
115 63.2 47.0 70.6



#5
2-Fluorophenol
Concen: 139.595 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.012 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

Tgt Ion:112 Resp: 1079539
Ion Ratio Lower Upper
112 100
64 55.1 42.4 63.6
63 28.9 21.4 32.2





#7

Phenol-d6

Concen: 135.909 ng

RT: 6.657 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF137951.D

Acq: 20 May 2024 10:25

Instrument :

BNA_F

ClientSampleId :

PB160935TB

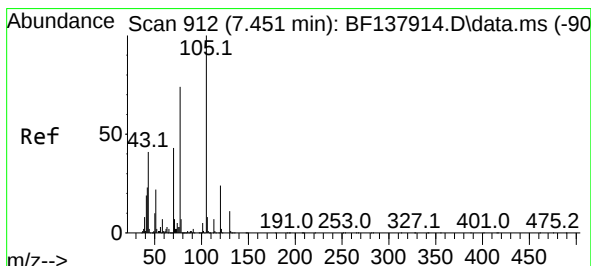
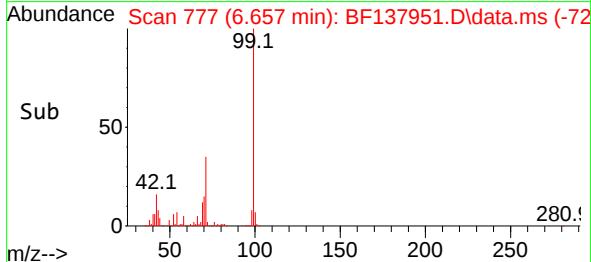
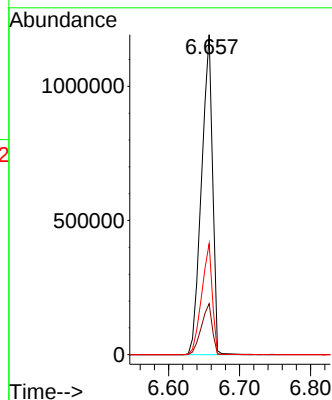
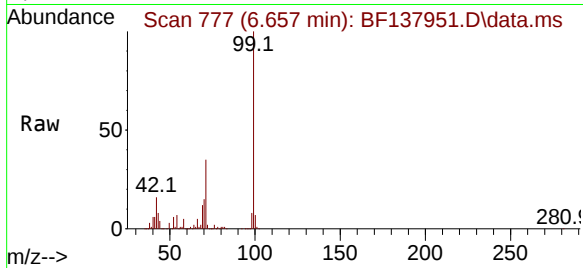
Tgt Ion: 99 Resp: 1294703

Ion Ratio Lower Upper

99 100

42 16.0 12.6 18.8

71 34.7 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 19.402 ng

RT: 7.604 min Scan# 938

Delta R.T. 0.153 min

Lab File: BF137951.D

Acq: 20 May 2024 10:25

Tgt Ion: 70 Resp: 103842

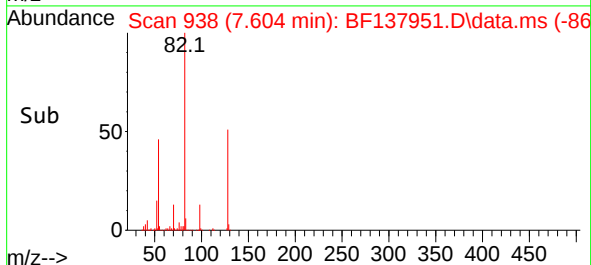
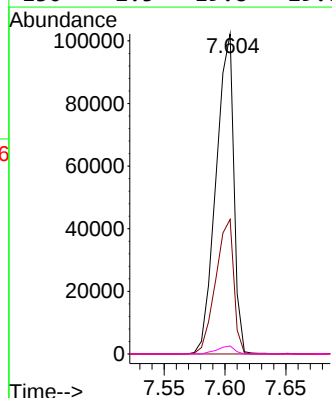
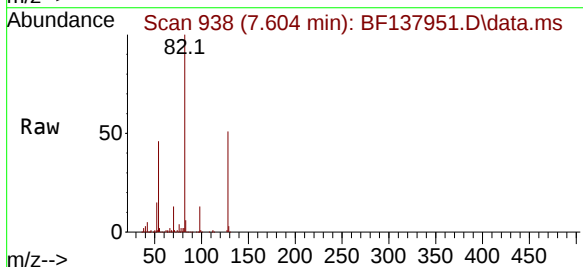
Ion Ratio Lower Upper

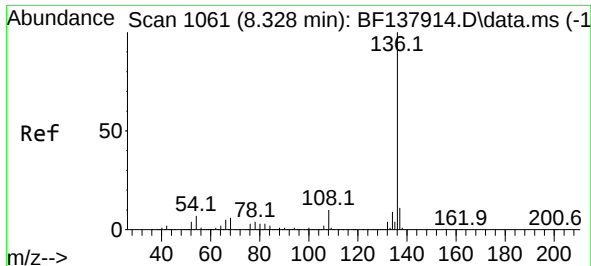
70 100

42 42.1 42.2 63.4#

101 0.0 8.8 13.2#

130 2.5 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: BF137951.D
Acq: 20 May 2024 10:25

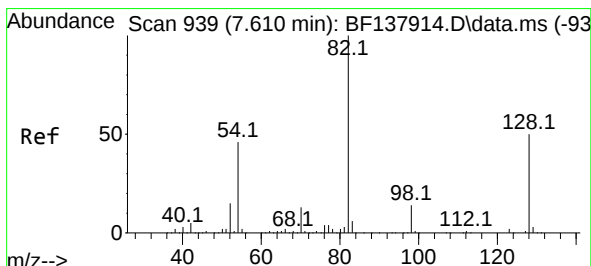
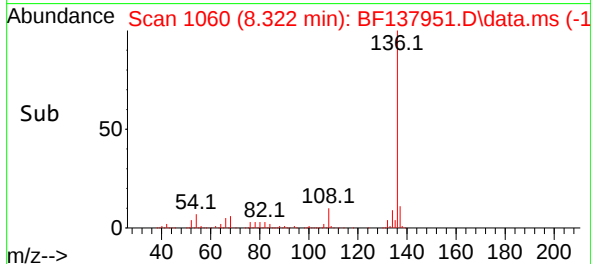
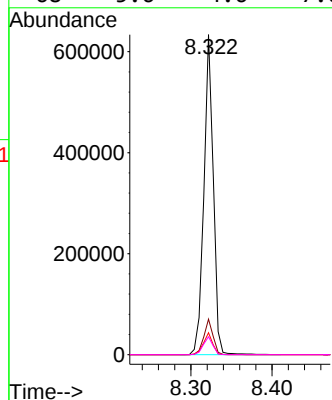
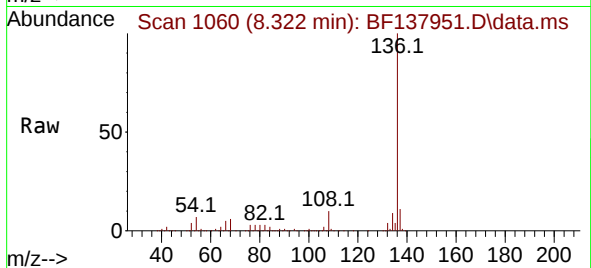
Instrument :

BNA_F

ClientSampleId :

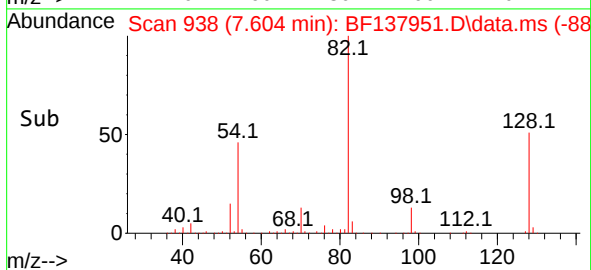
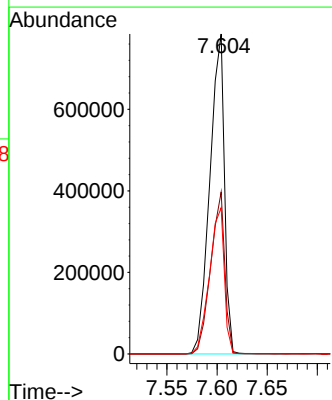
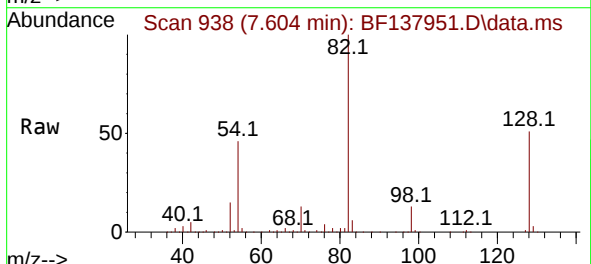
PB160935TB

Tgt Ion:136 Resp: 510166
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.8 5.4 8.2
68 5.6 4.6 7.0



#23
Nitrobenzene-d5
Concen: 91.847 ng
RT: 7.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

Tgt Ion: 82 Resp: 796209
Ion Ratio Lower Upper
82 100
128 50.6 40.3 60.5
54 45.7 36.8 55.2

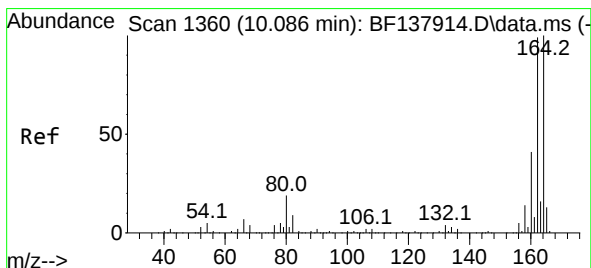
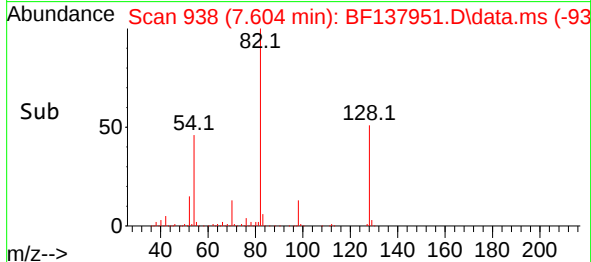
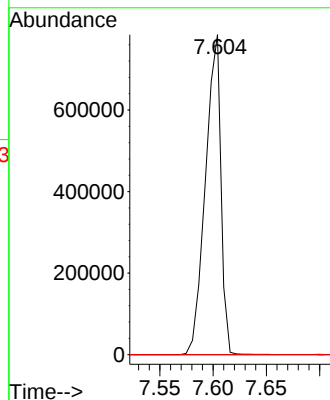
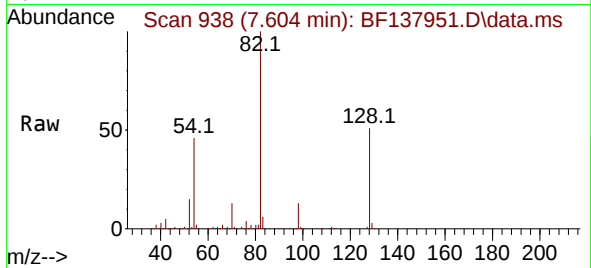




#25
Isophorone
Concen: 52.920 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.253 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

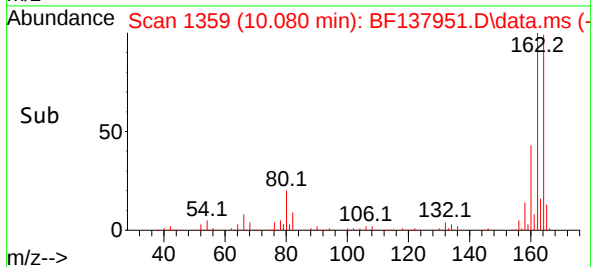
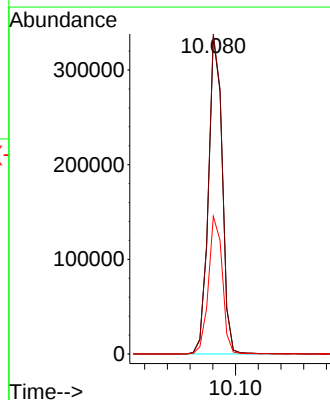
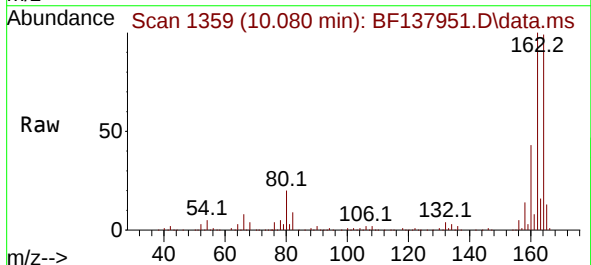
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BNA_F
ClientSampleId :
PB160935TB

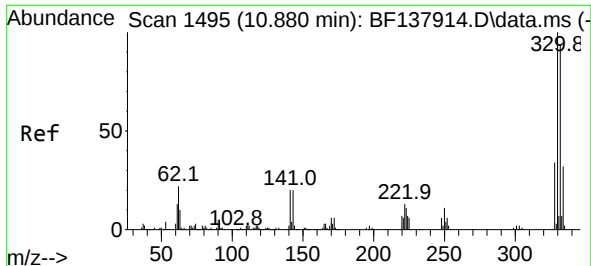
Tgt Ion: 82 Resp: 796201
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

Tgt Ion:164 Resp: 282169
Ion Ratio Lower Upper
164 100
162 100.9 79.4 119.2
160 43.4 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 139.432 ng

RT: 10.874 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF137951.D

Acq: 20 May 2024 10:25

Instrument :

BNA_F

ClientSampleId :

PB160935TB

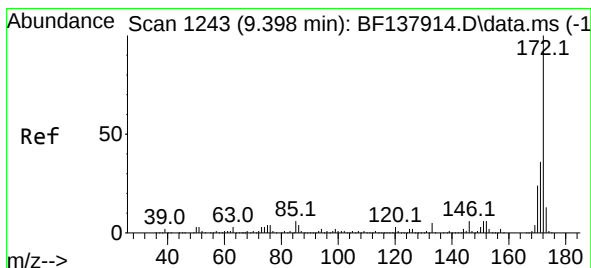
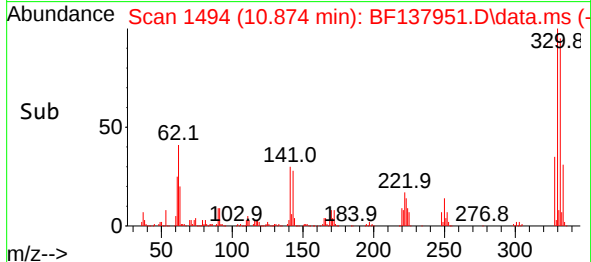
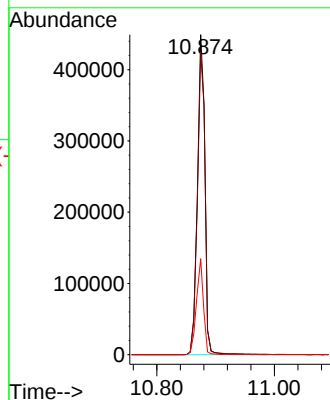
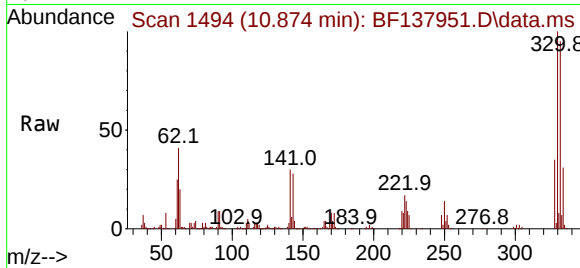
Tgt Ion:330 Resp: 396698

Ion Ratio Lower Upper

330 100

332 96.8 75.8 113.8

141 28.6 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 93.350 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF137951.D

Acq: 20 May 2024 10:25

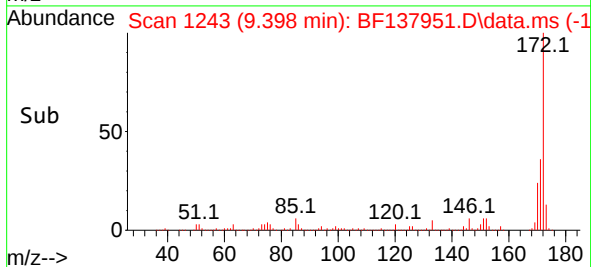
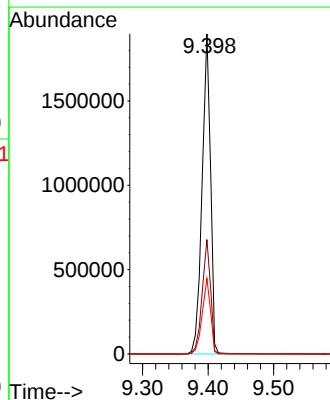
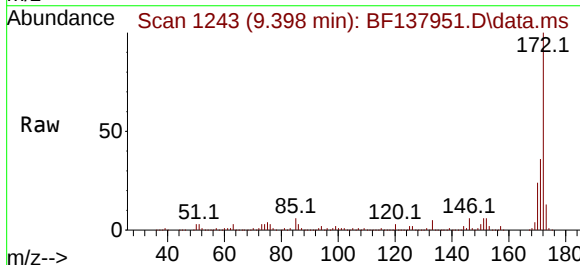
Tgt Ion:172 Resp: 1709983

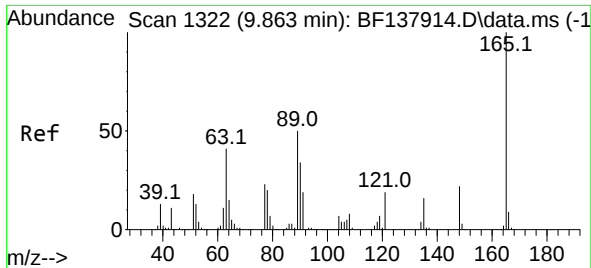
Ion Ratio Lower Upper

172 100

171 35.8 28.9 43.3

170 23.6 18.9 28.3

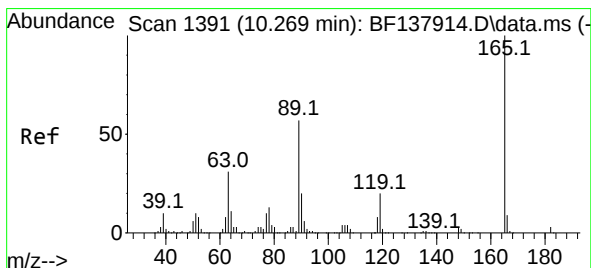
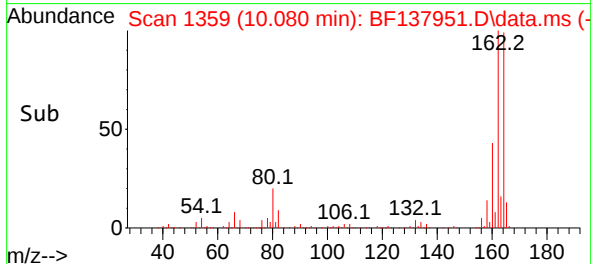
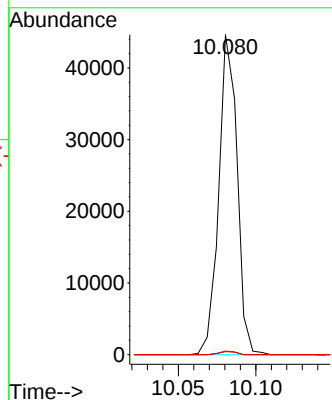
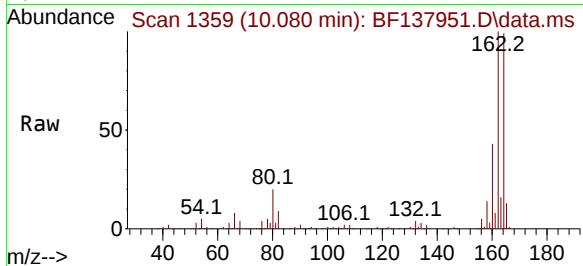




#51
2,6-Dinitrotoluene
Concen: 9.042 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

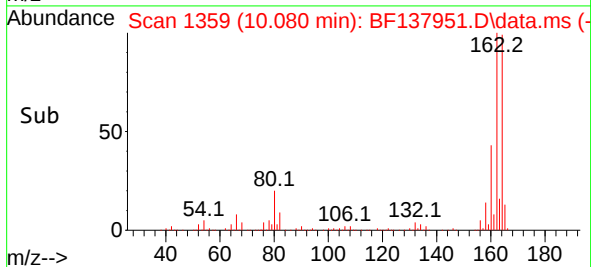
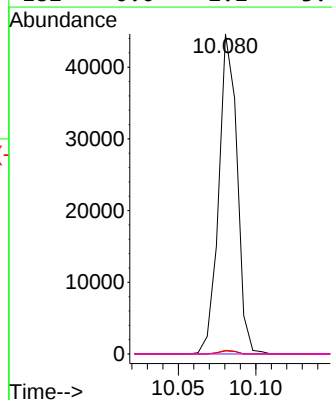
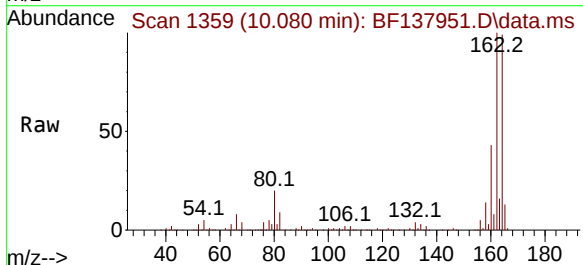
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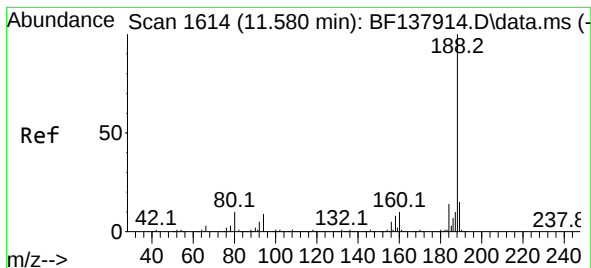
Tgt Ion:165 Resp: 36721
Ion Ratio Lower Upper
165 100
63 0.9 38.9 58.3#
89 1.1 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 6.994 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

Tgt Ion:165 Resp: 36721
Ion Ratio Lower Upper
165 100
63 0.9 25.3 37.9#
89 1.1 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: BF137951.D

Acq: 20 May 2024 10:25

Instrument :

BNA_F

ClientSampleId :

PB160935TB

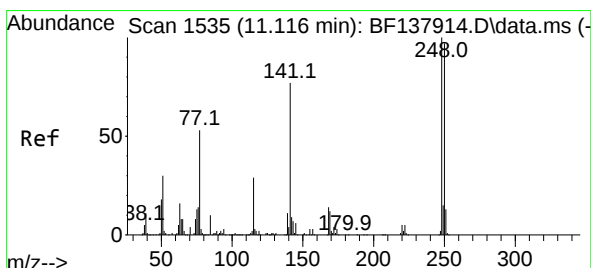
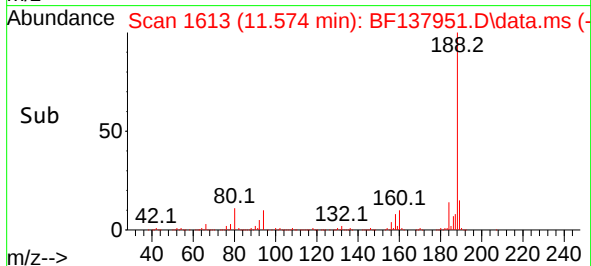
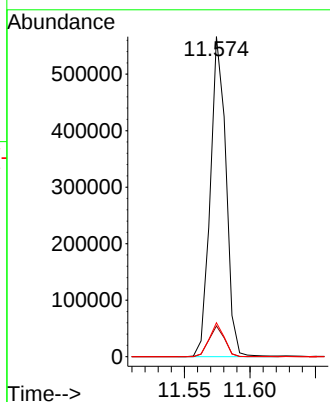
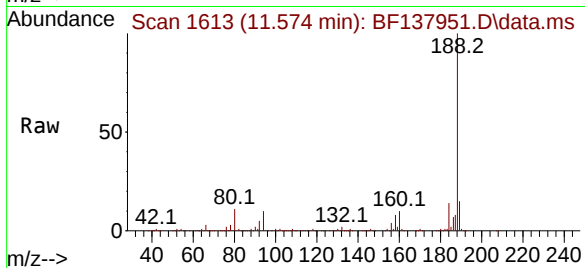
Tgt Ion:188 Resp: 472054

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.4

80 10.6 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.981 ng

RT: 10.874 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137951.D

Acq: 20 May 2024 10:25

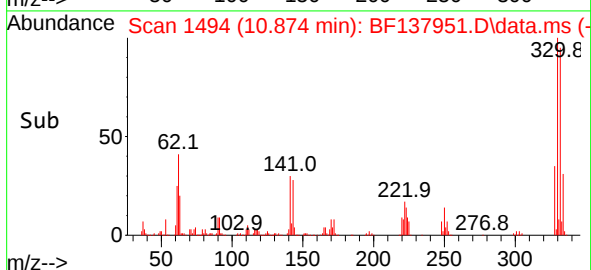
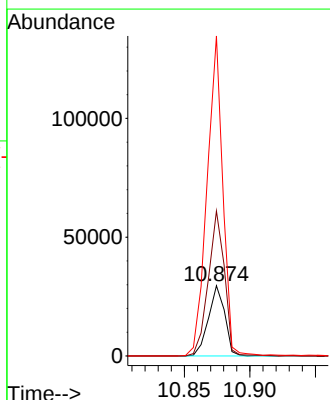
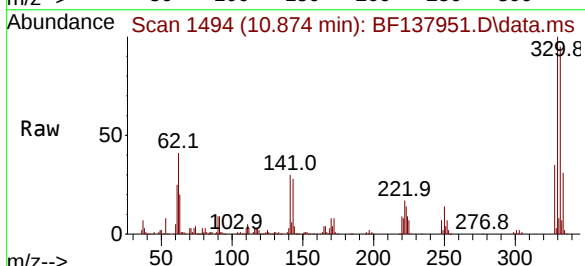
Tgt Ion:248 Resp: 25776

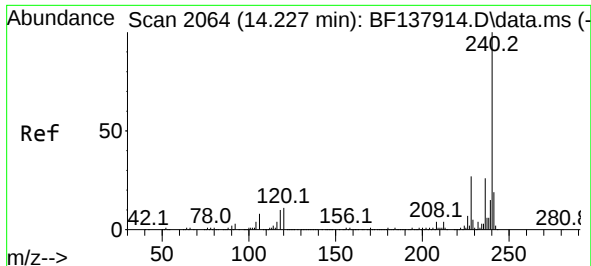
Ion Ratio Lower Upper

248 100

250 206.1 77.6 116.4#

141 455.0 61.4 92.2#

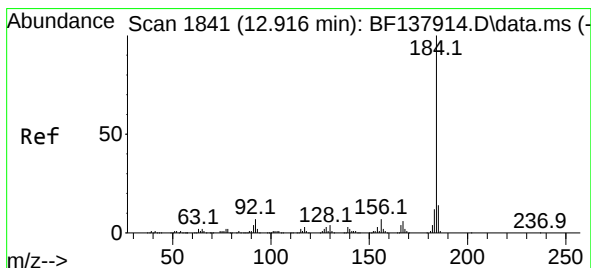
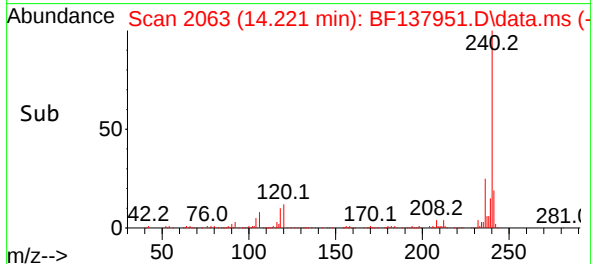
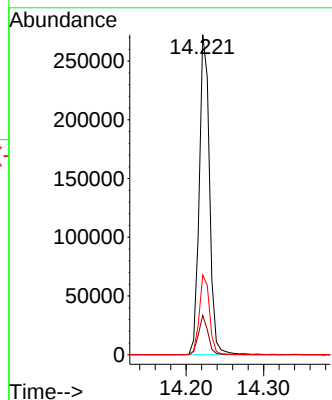
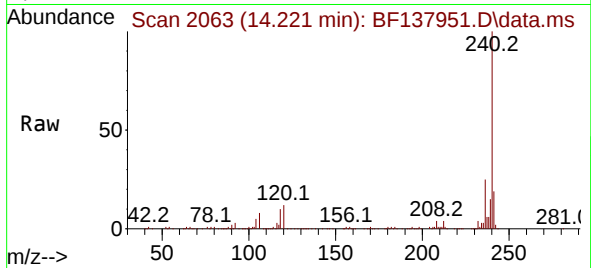




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

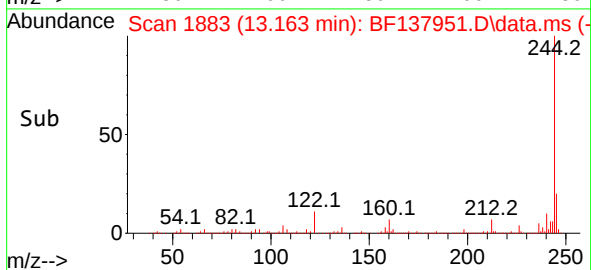
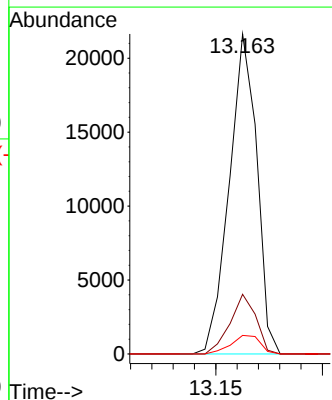
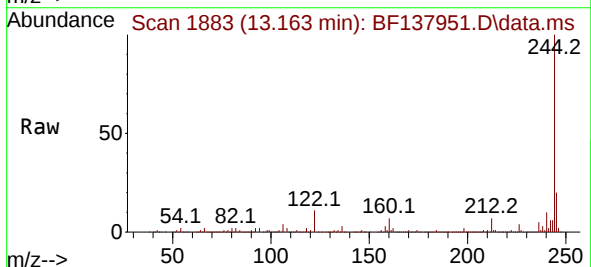
Instrument :
BNA_F
ClientSampleId :
PB160935TB

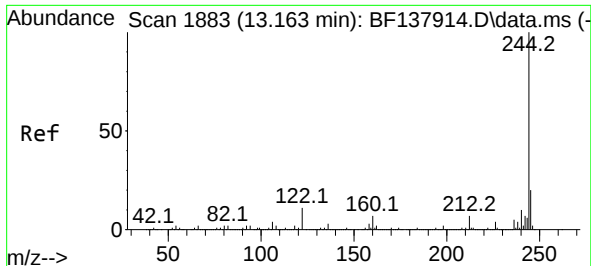
Tgt Ion:240 Resp: 250355
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 24.9 21.0 31.4



#77
Benzidine
Concen: 5.964 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF137951.D
Acq: 20 May 2024 10:25

Tgt Ion:184 Resp: 19512
Ion Ratio Lower Upper
184 100
185 18.6 11.4 17.2#
183 5.8 9.5 14.3#

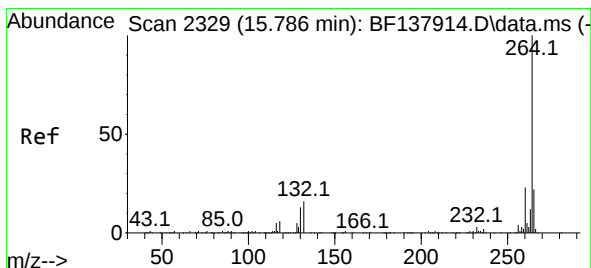
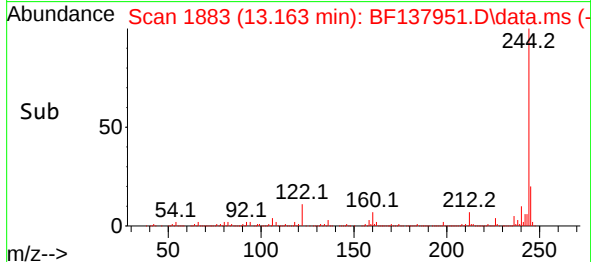
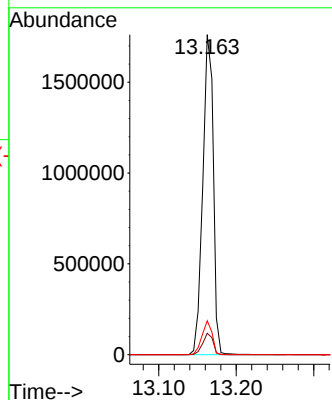
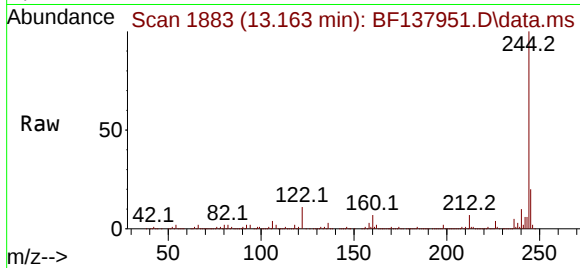




#79
 Terphenyl-d14
 Concen: 97.873 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. -0.000 min
 Lab File: BF137951.D
 Acq: 20 May 2024 10:25

Instrument :
 BNA_F
 ClientSampleId :
 PB160935TB

Tgt Ion:244 Resp: 1662579
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.6 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: BF137951.D
 Acq: 20 May 2024 10:25

Tgt Ion:264 Resp: 245252
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.3 27.5
 265 21.3 17.6 26.4

