

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137949.D
 Acq On : 20 May 2024 09:27
 Operator : CG\JU
 Sample : PB160983BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB160983BL

Quant Time: May 20 11:29:13 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)

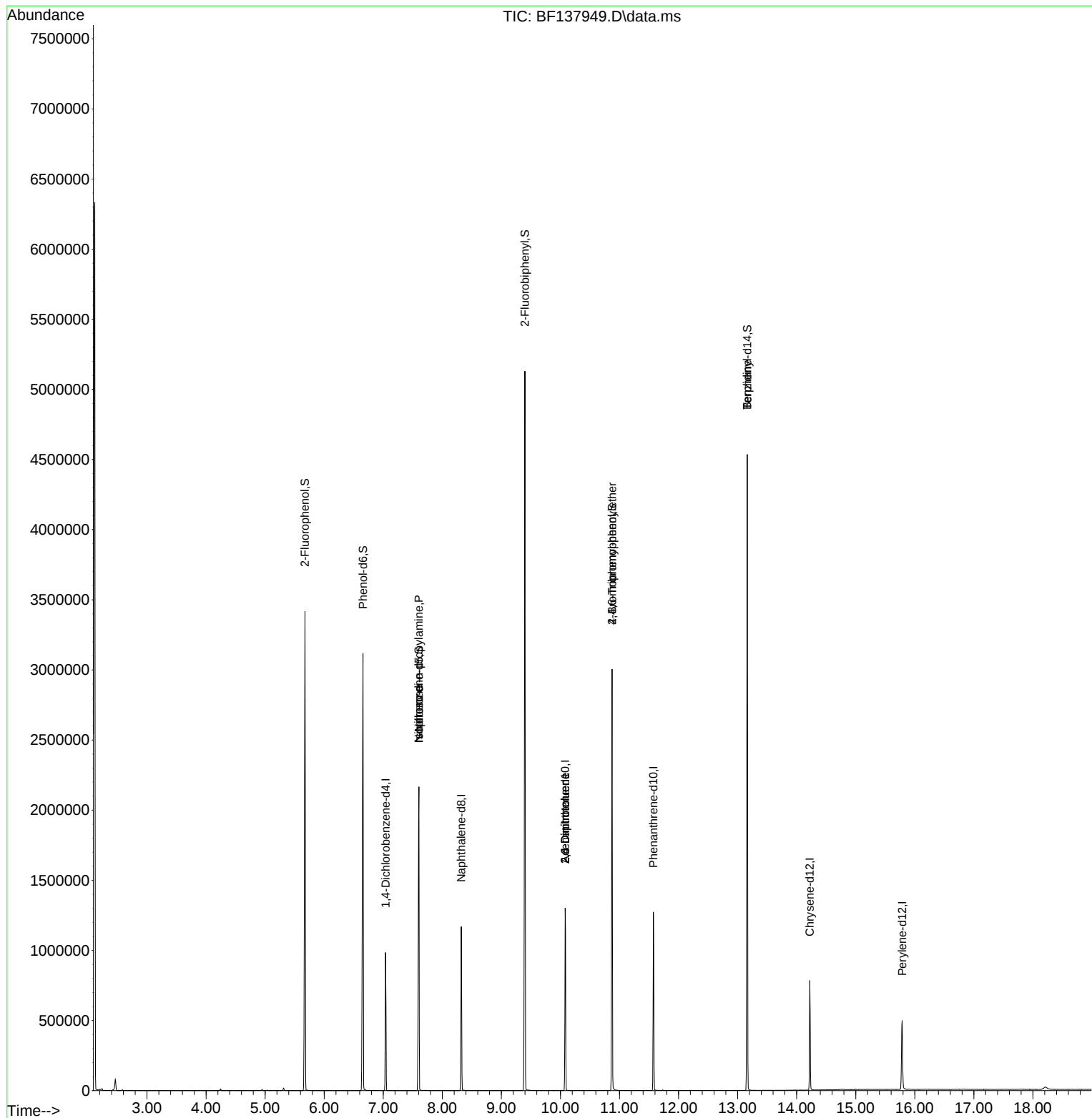
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	136015	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	508265	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	279837	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	457597	20.000	ng	0.00
76) Chrysene-d12	14.221	240	250996	20.000	ng	0.00
86) Perylene-d12	15.786	264	252942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1030469	128.692	ng	0.01
7) Phenol-d6	6.657	99	1228568	124.555	ng	0.00
23) Nitrobenzene-d5	7.604	82	751865	87.056	ng	0.00
42) 2,4,6-Tribromophenol	10.875	330	361628	128.164	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1603501	88.266	ng	0.00
79) Terphenyl-d14	13.163	244	1545667	90.759	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.604	70	98671	17.805	ng	# 77
25) Isophorone	7.604	82	751858	50.160	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	36352	9.026	ng	# 29
57) 2,4-Dinitrotoluene	10.081	165	36352	6.982	ng	# 33
67) 4-Bromophenyl-phenylether	10.875	248	23294	4.643	ng	# 1
77) Benzidine	13.163	184	17856	5.443	ng	# 94

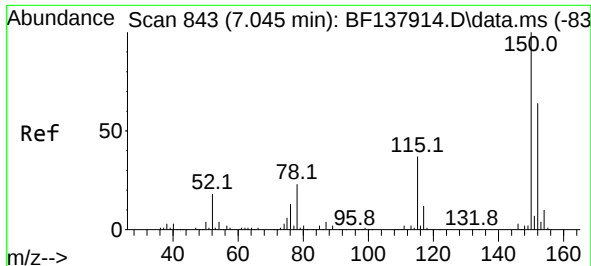
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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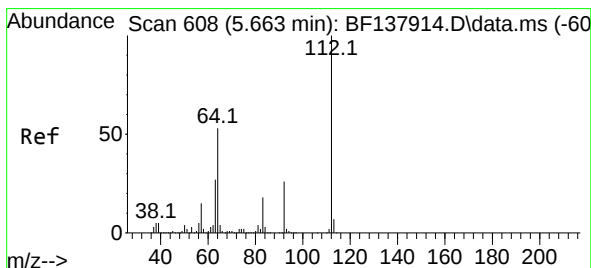
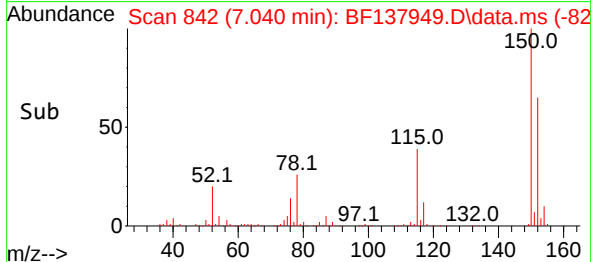
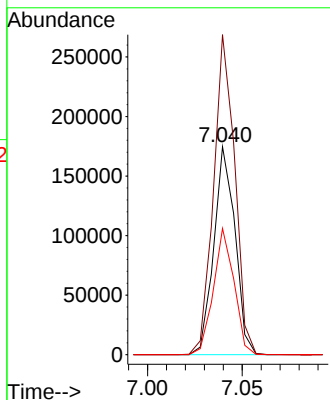
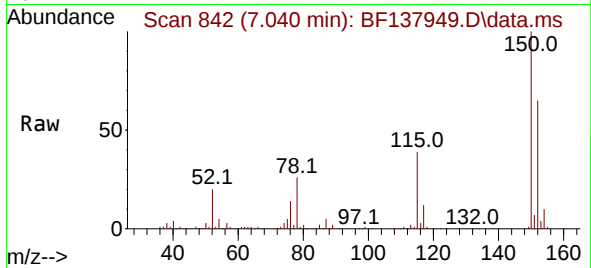




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 84
Delta R.T. -0.005 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

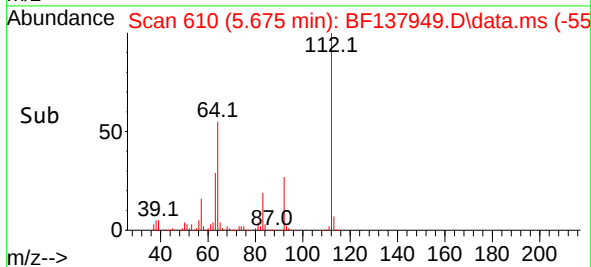
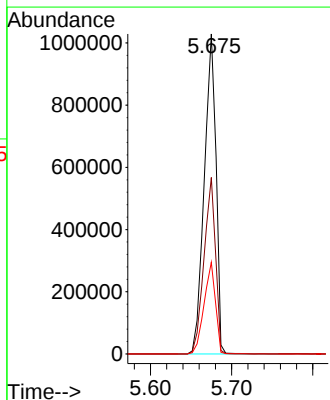
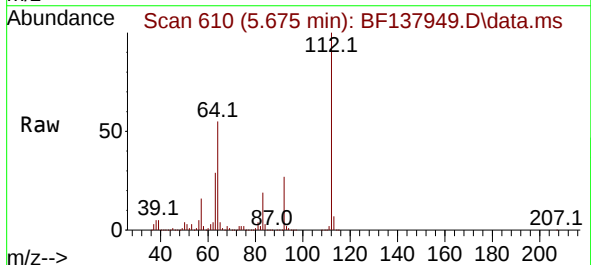
Instrument :
BNA_F
ClientSampleId :
PB160983BL

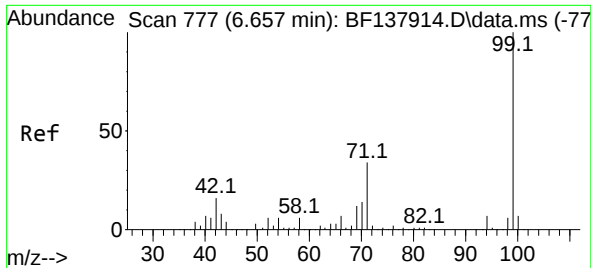
Tgt Ion:152 Resp: 136015
Ion Ratio Lower Upper
152 100
150 153.8 125.7 188.5
115 60.7 47.0 70.6



#5
2-Fluorophenol
Concen: 128.692 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.012 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

Tgt Ion:112 Resp: 1030469
Ion Ratio Lower Upper
112 100
64 55.2 42.4 63.6
63 28.6 21.4 32.2

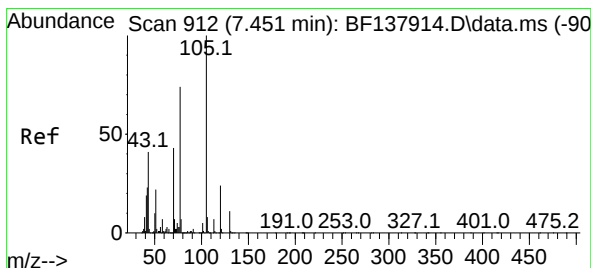
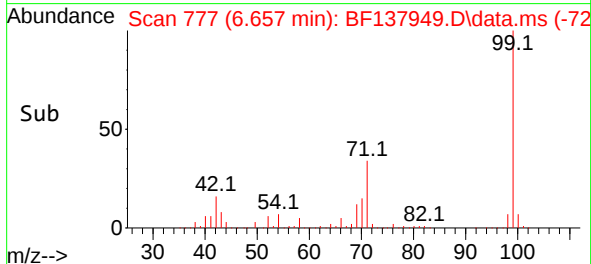
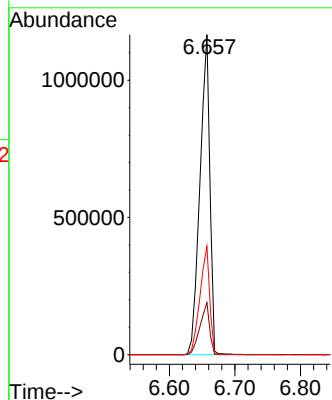
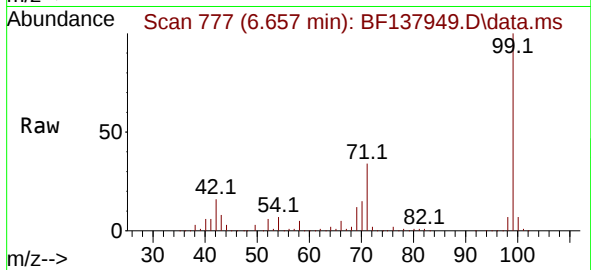




#7
Phenol-d6
Concen: 124.555 ng
RT: 6.657 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

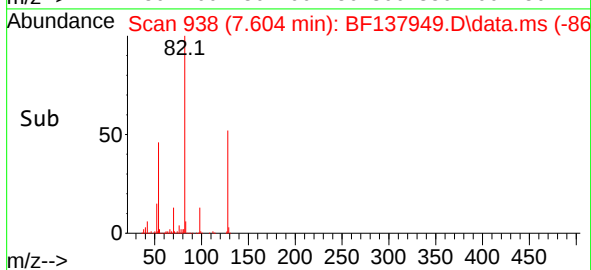
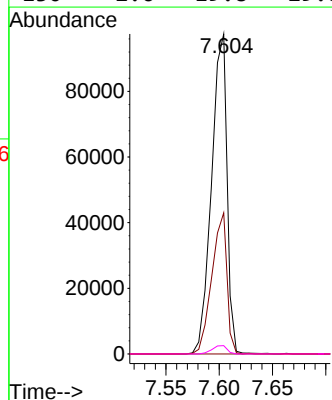
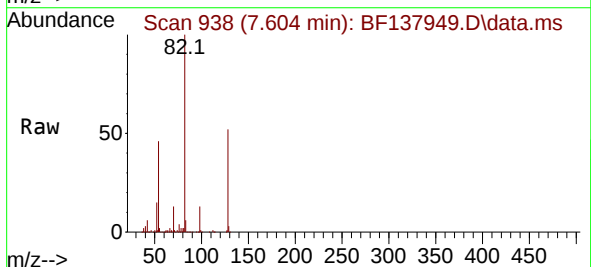
Instrument :
BNA_F
ClientSampleId :
PB160983BL

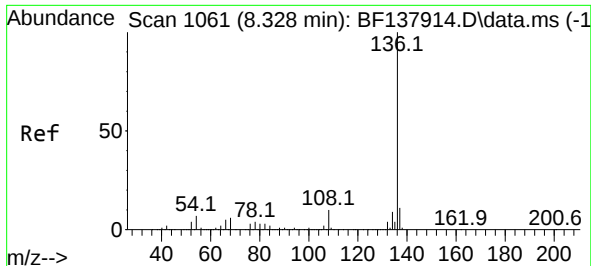
Tgt Ion: 99 Resp: 1228568
Ion Ratio Lower Upper
99 100
42 16.3 12.6 18.8
71 33.8 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.805 ng
RT: 7.604 min Scan# 938
Delta R.T. 0.153 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

Tgt Ion: 70 Resp: 98671
Ion Ratio Lower Upper
70 100
42 44.1 42.2 63.4
101 0.0 8.8 13.2#
130 2.6 19.8 29.8#



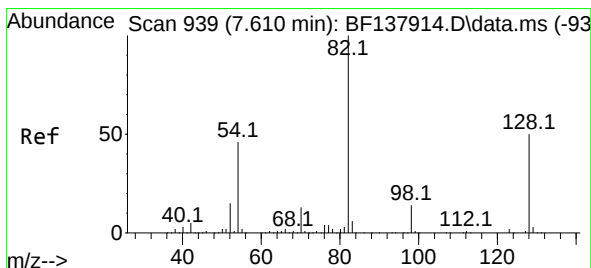
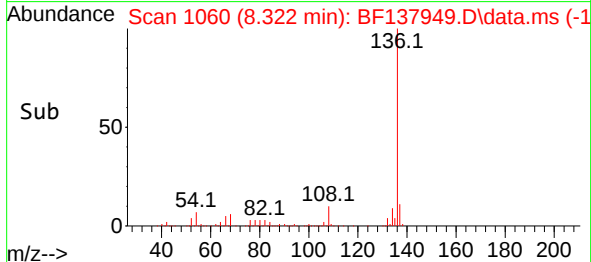
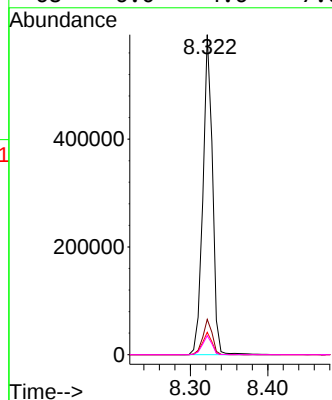
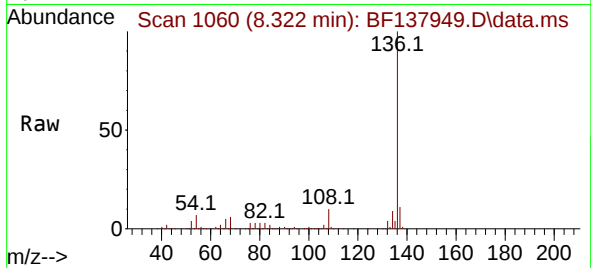


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

Instrument :
BNA_F
ClientSampleId :
PB160983BL

Tgt Ion:136 Resp: 508265

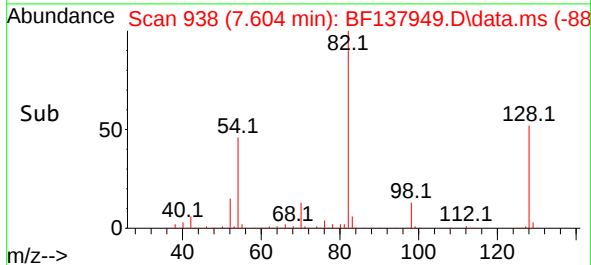
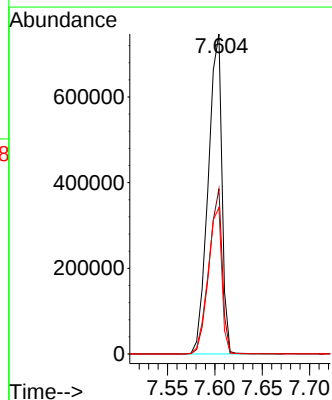
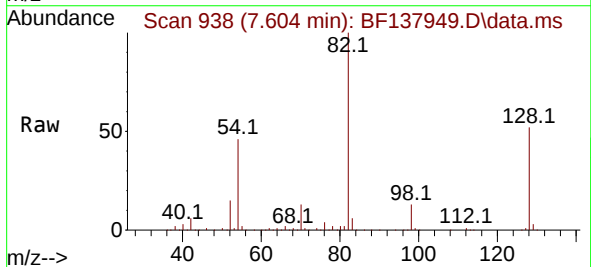
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.0	5.4	8.2
68	6.0	4.6	7.0

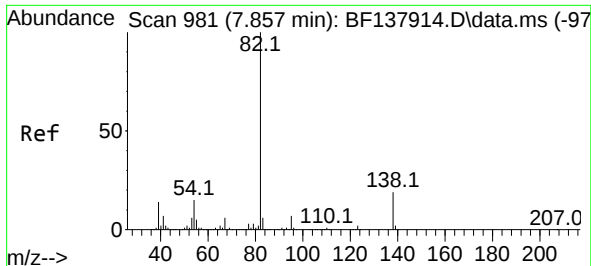


#23
Nitrobenzene-d5
Concen: 87.056 ng
RT: 7.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

Tgt Ion: 82 Resp: 751865

Ion	Ratio	Lower	Upper
82	100		
128	51.6	40.3	60.5
54	45.8	36.8	55.2

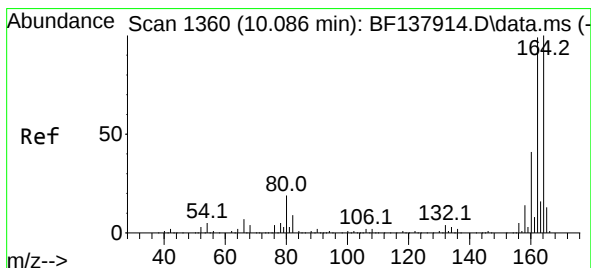
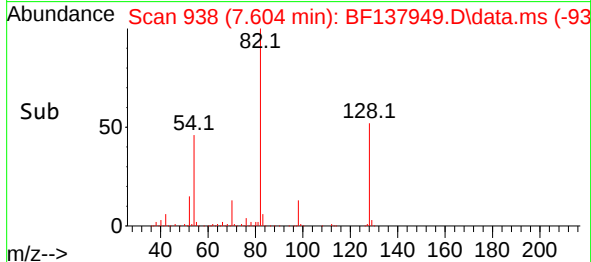
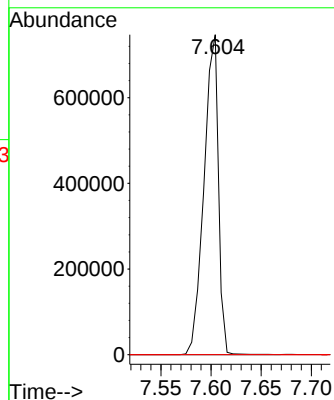
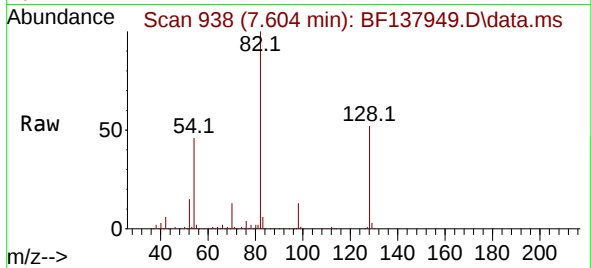




#25
Isophorone
Concen: 50.160 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.253 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

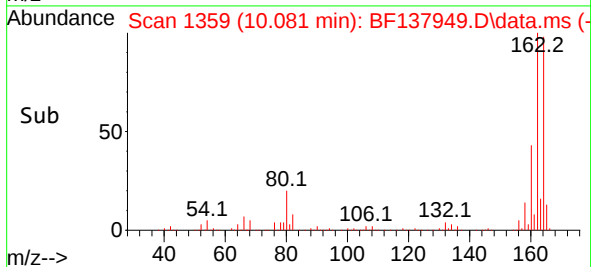
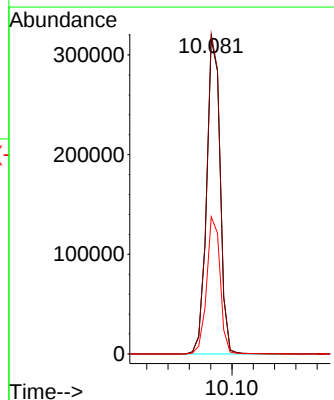
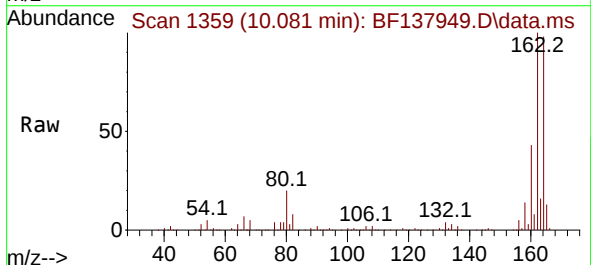
Instrument :
BNA_F
ClientSampleId :
PB160983BL

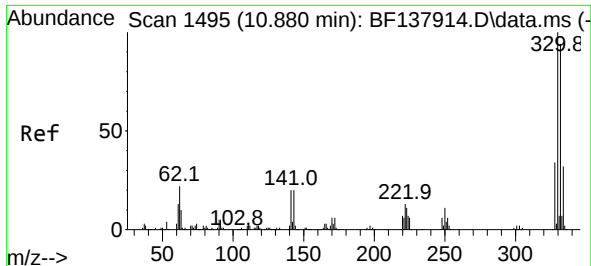
Tgt Ion: 82 Resp: 751858
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

Tgt Ion:164 Resp: 279837
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.2
160 43.5 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 128.164 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF137949.D

Acq: 20 May 2024 09:27

Instrument :

BNA_F

ClientSampleId :

PB160983BL

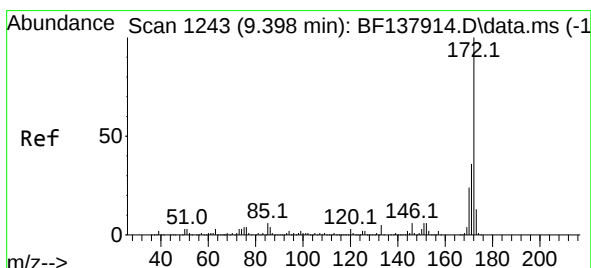
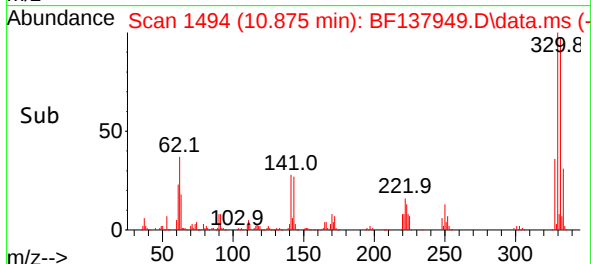
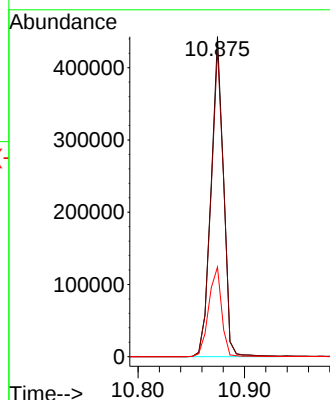
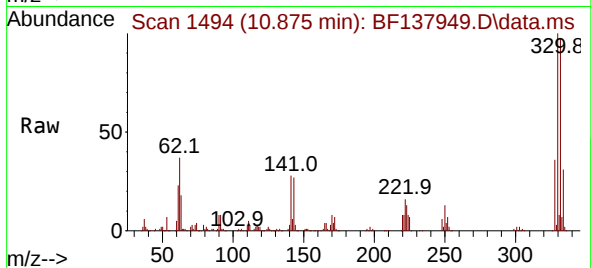
Tgt Ion:330 Resp: 361628

Ion Ratio Lower Upper

330 100

332 98.2 75.8 113.8

141 29.3 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 88.266 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF137949.D

Acq: 20 May 2024 09:27

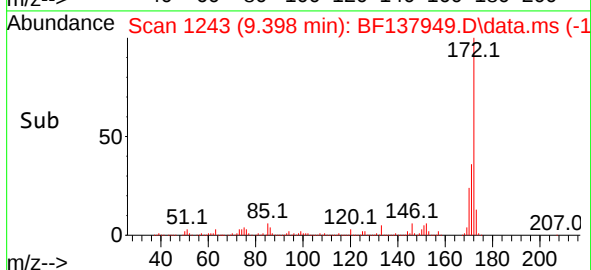
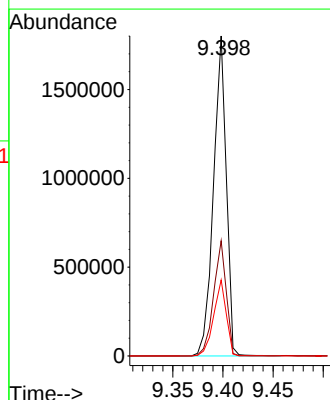
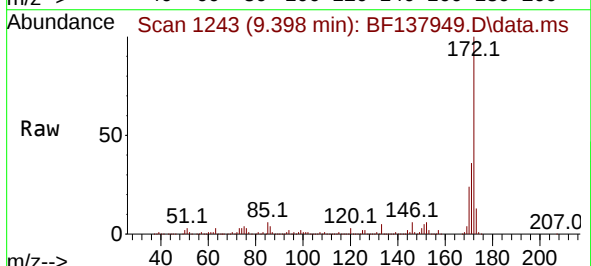
Tgt Ion:172 Resp: 1603501

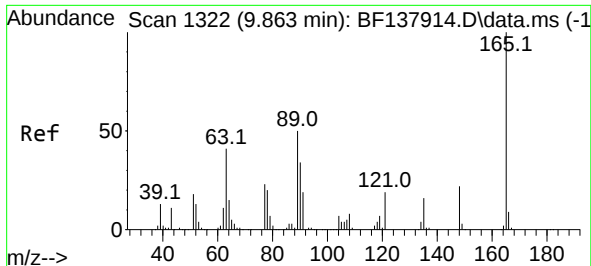
Ion Ratio Lower Upper

172 100

171 36.0 28.9 43.3

170 23.7 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.026 ng

RT: 10.081 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF137949.D

Acq: 20 May 2024 09:27

Instrument :

BNA_F

ClientSampleId :

PB160983BL

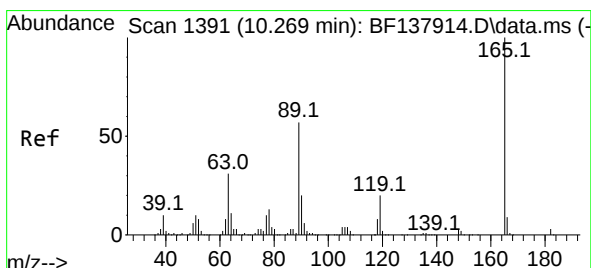
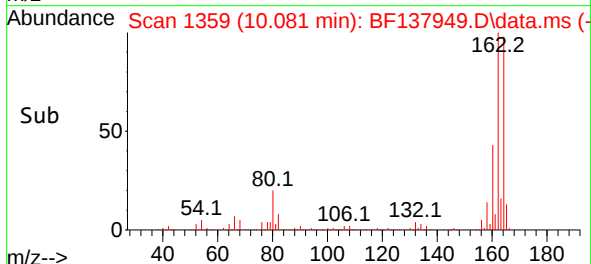
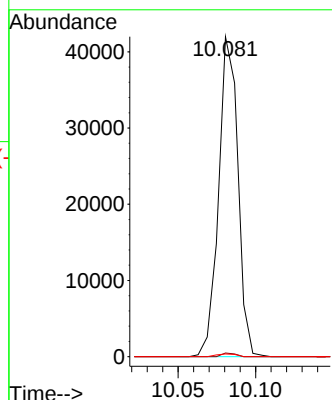
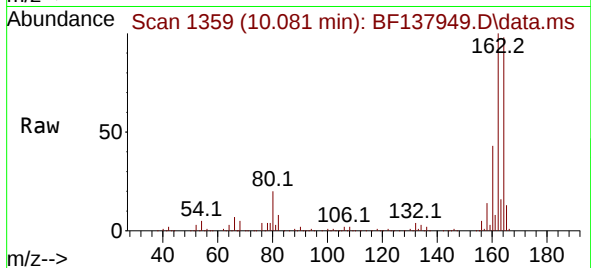
Tgt Ion:165 Resp: 36352

Ion Ratio Lower Upper

165 100

63 1.2 38.9 58.3#

89 0.8 40.4 60.6#



#57

2,4-Dinitrotoluene

Concen: 6.982 ng

RT: 10.081 min Scan# 1359

Delta R.T. -0.188 min

Lab File: BF137949.D

Acq: 20 May 2024 09:27

Tgt Ion:165 Resp: 36352

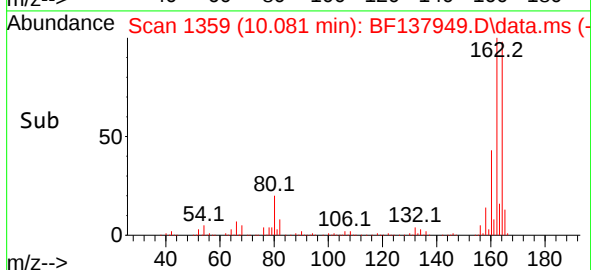
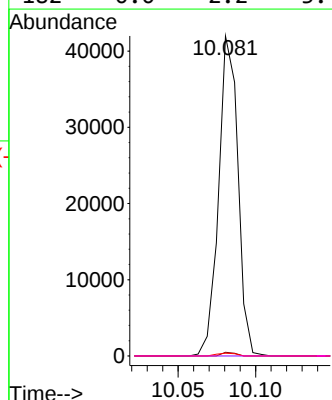
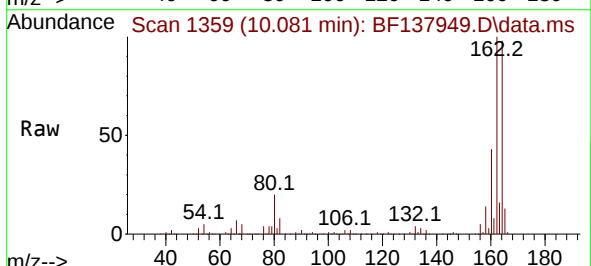
Ion Ratio Lower Upper

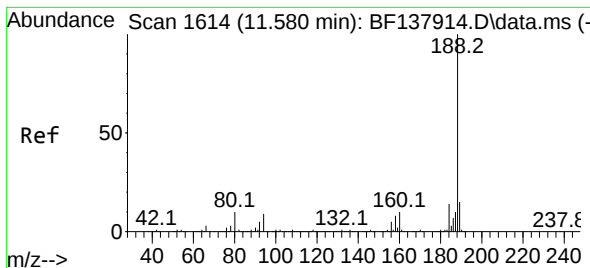
165 100

63 1.2 25.3 37.9#

89 0.8 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: BF137949.D

Acq: 20 May 2024 09:27

Instrument :

BNA_F

ClientSampleId :

PB160983BL

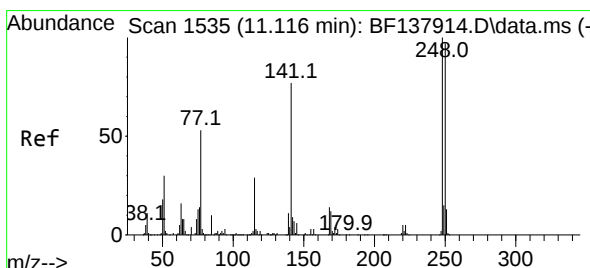
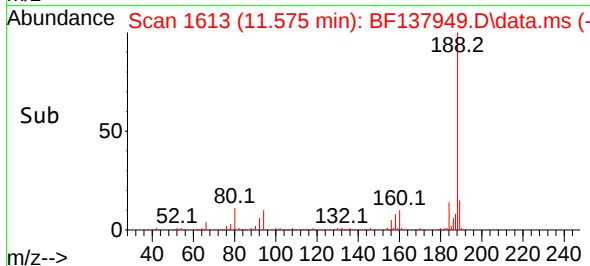
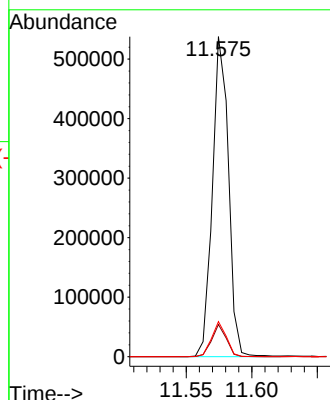
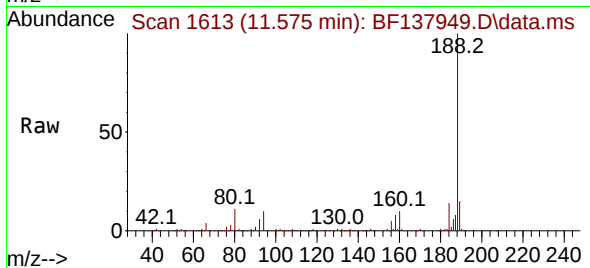
Tgt Ion:188 Resp: 457597

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.4

80 11.0 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.643 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137949.D

Acq: 20 May 2024 09:27

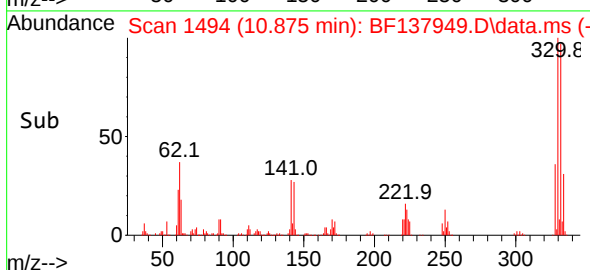
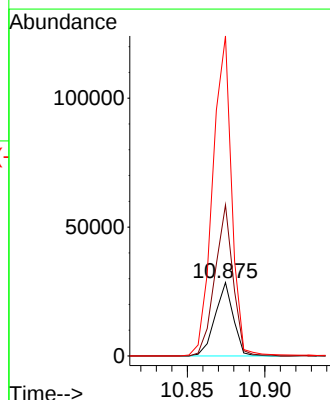
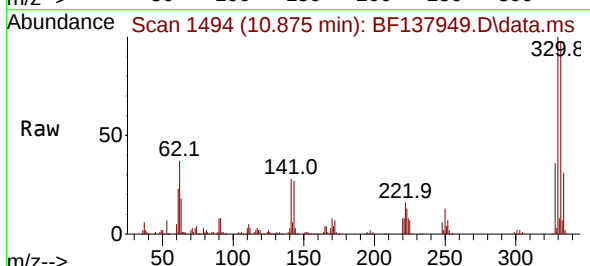
Tgt Ion:248 Resp: 23294

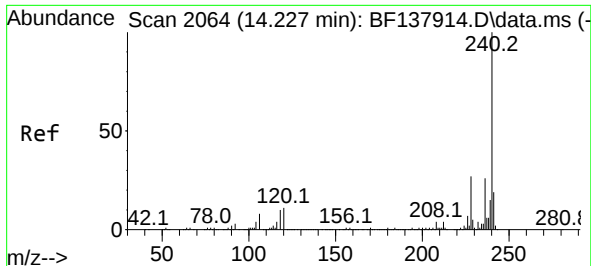
Ion Ratio Lower Upper

248 100

250 205.8 77.6 116.4#

141 436.0 61.4 92.2#

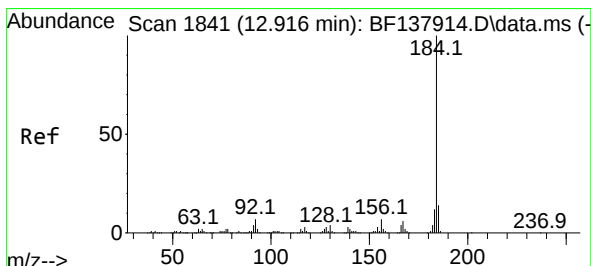
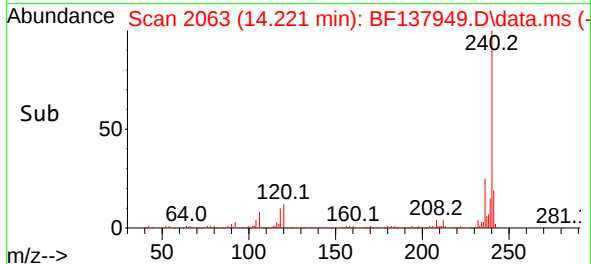
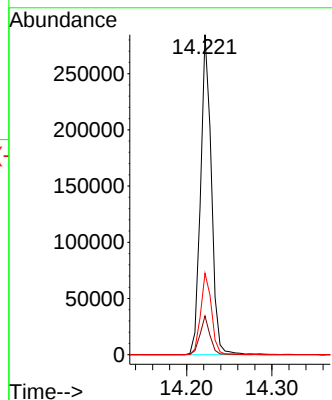
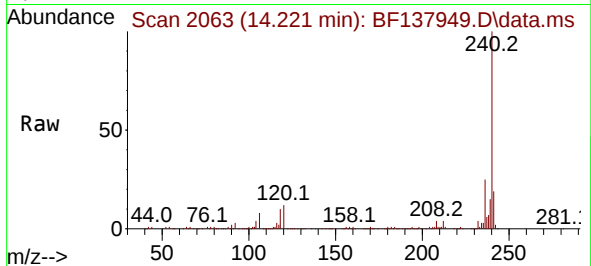




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

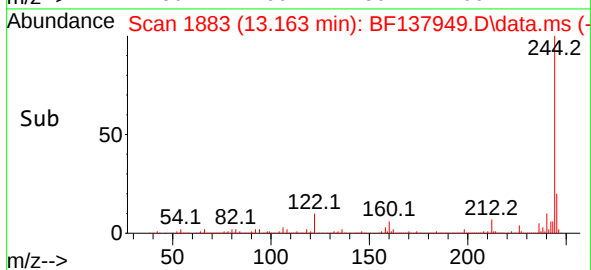
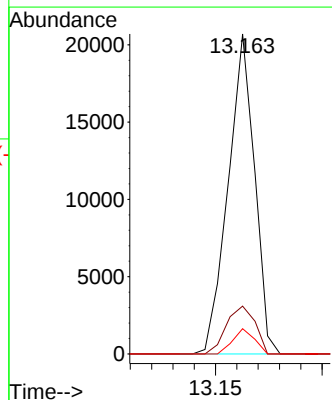
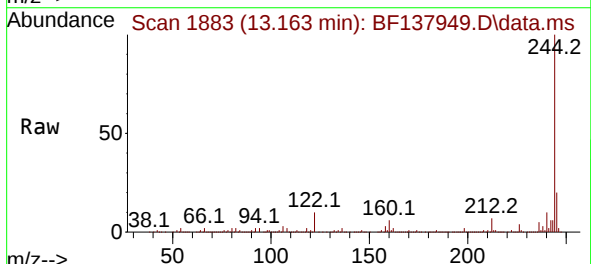
Instrument :
BNA_F
ClientSampleId :
PB160983BL

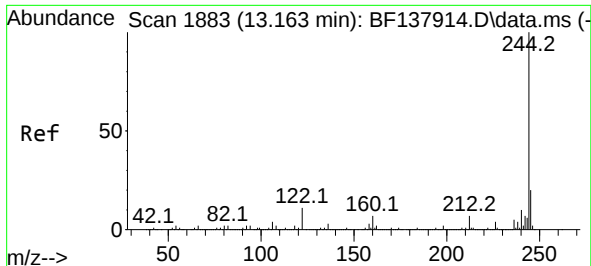
Tgt Ion:240 Resp: 250996
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 25.5 21.0 31.4



#77
Benzidine
Concen: 5.443 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF137949.D
Acq: 20 May 2024 09:27

Tgt Ion:184 Resp: 17856
Ion Ratio Lower Upper
184 100
185 15.0 11.4 17.2
183 7.9 9.5 14.3#

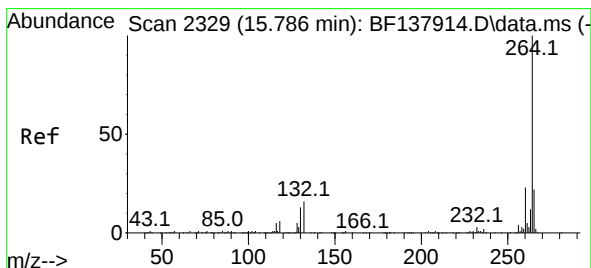
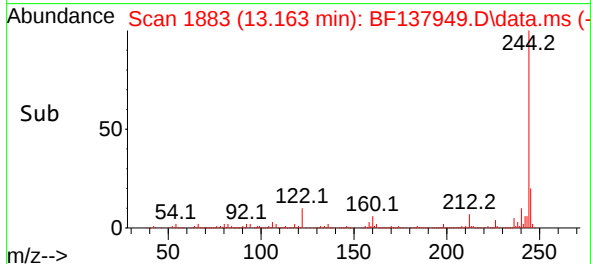
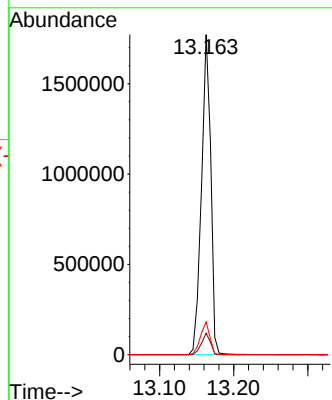
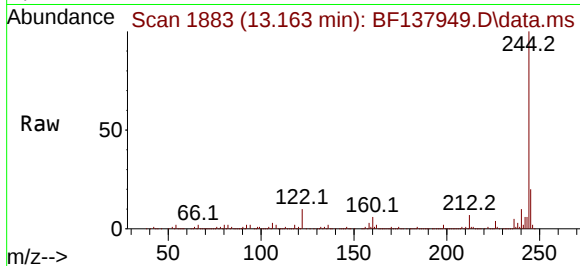




#79
 Terphenyl-d14
 Concen: 90.759 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: BF137949.D
 Acq: 20 May 2024 09:27

Instrument :
 BNA_F
 ClientSampleId :
 PB160983BL

Tgt Ion:244 Resp: 1545667
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.2 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: BF137949.D
 Acq: 20 May 2024 09:27

Tgt Ion:264 Resp: 252942
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.3 27.5
 265 20.8 17.6 26.4

