

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138911.D
 Acq On : 10 Aug 2024 15:49
 Operator : RC/JU
 Sample : P3476-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MUL04

Quant Time: Aug 12 01:16:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

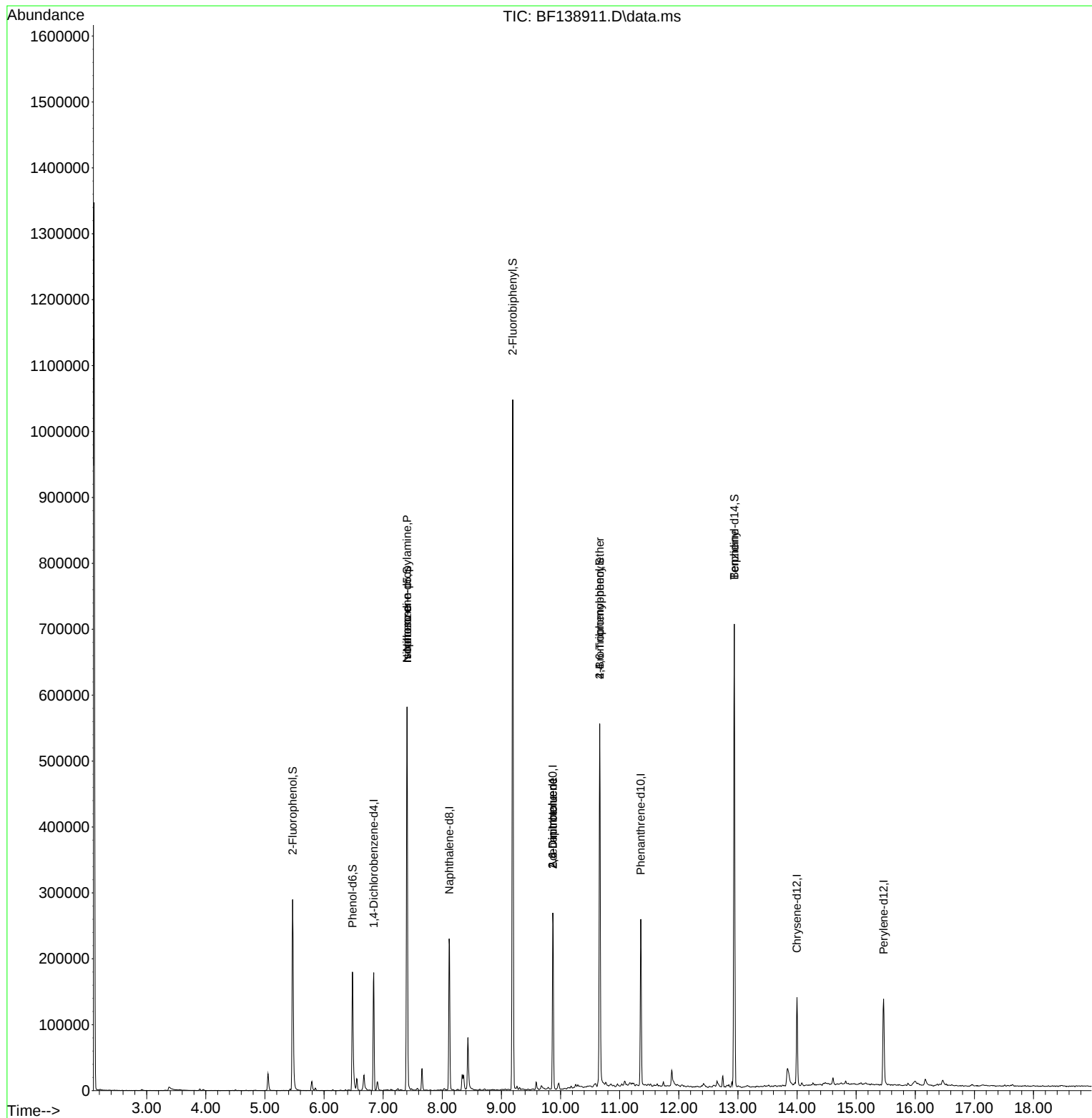
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	33741	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	138712	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	77568	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	124451	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	61945	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	75880	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	102864	47.060	ng	0.00
7) Phenol-d6	6.481	99	79410	27.059	ng	0.00
23) Nitrobenzene-d5	7.404	82	245410	86.499	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	78955	124.263	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	431236	83.531	ng	-0.01
79) Terphenyl-d14	12.939	244	316163	85.454	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	34182	19.285	ng	# 76
25) Isophorone	7.404	82	245408	50.656	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	9994	8.929	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	9994	6.998	ng	# 16
67) 4-Bromophenyl-phenylether	10.663	248	6107	4.532	ng	# 1
77) Benzidine	12.939	184	4746	3.203	ng	# 90

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

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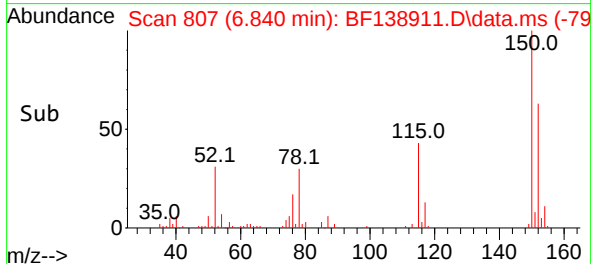
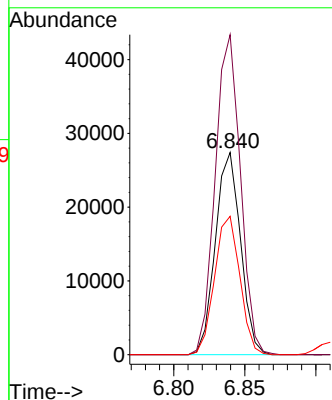
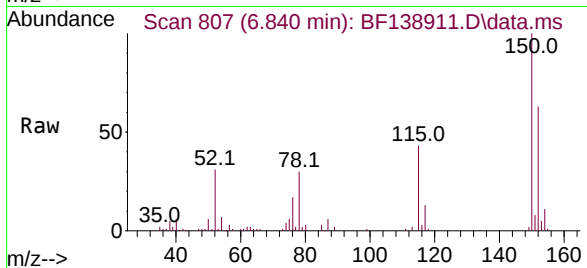




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138911.D
Acq: 10 Aug 2024 15:49

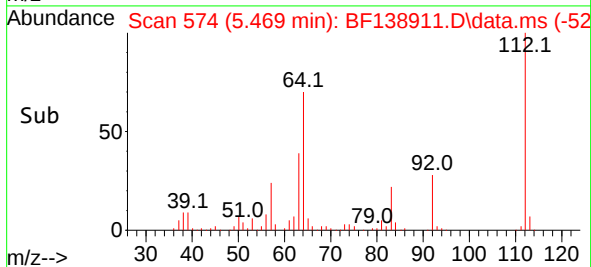
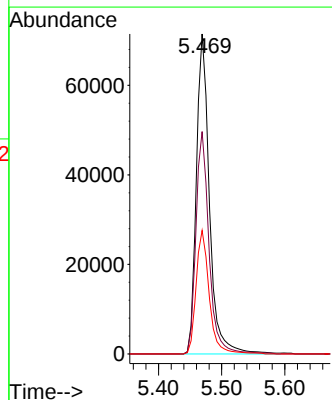
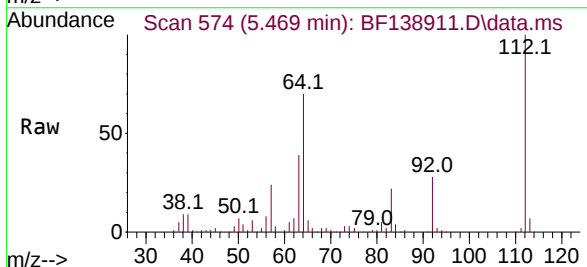
Instrument :
BNA_F
ClientSampleId :
MUL04

Tgt Ion:152 Resp: 33741
Ion Ratio Lower Upper
152 100
150 158.3 126.0 189.0
115 68.4 51.7 77.5



#5
2-Fluorophenol
Concen: 47.060 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138911.D
Acq: 10 Aug 2024 15:49

Tgt Ion:112 Resp: 102864
Ion Ratio Lower Upper
112 100
64 69.5 54.2 81.4
63 38.6 28.7 43.1

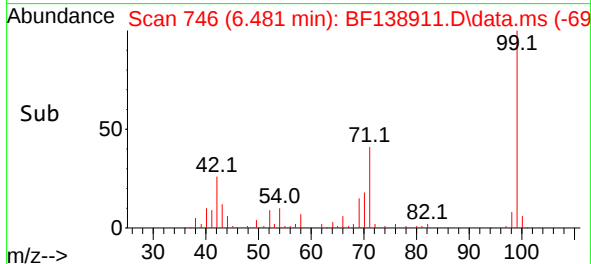
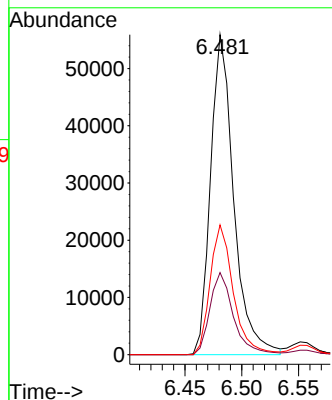
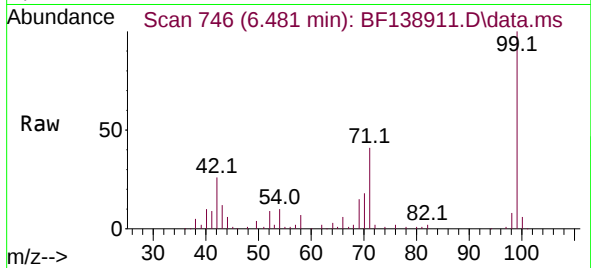




#7
Phenol-d6
Concen: 27.059 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138911.D
Acq: 10 Aug 2024 15:49

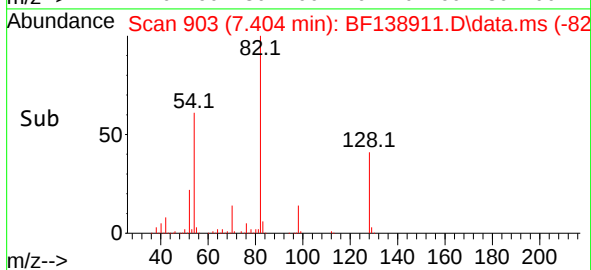
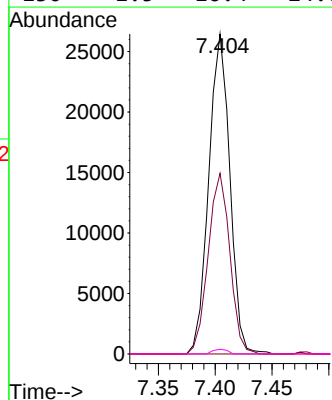
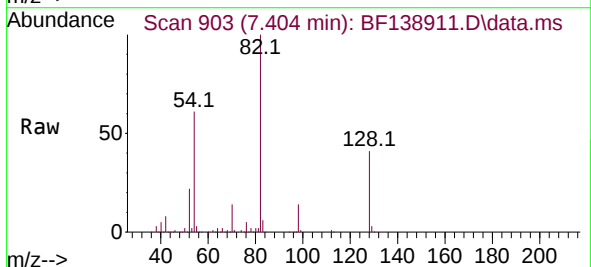
Instrument :
BNA_F
ClientSampleId :
MUL04

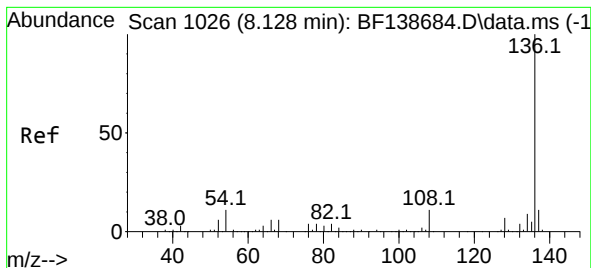
Tgt Ion: 99 Resp: 79410
Ion Ratio Lower Upper
99 100
42 25.6 17.4 26.0
71 40.6 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 19.285 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138911.D
Acq: 10 Aug 2024 15:49

Tgt Ion: 70 Resp: 34182
Ion Ratio Lower Upper
70 100
42 56.5 57.4 86.0#
101 0.0 7.5 11.3#
130 1.5 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

Instrument :

BNA_F

ClientSampleId :

MUL04

Tgt Ion:136 Resp: 138712

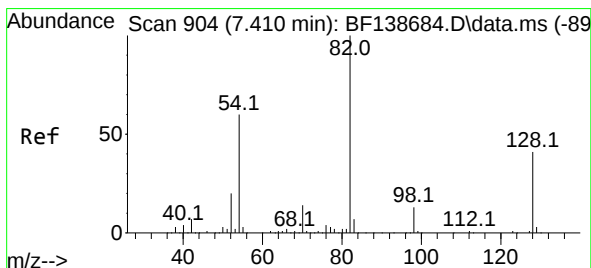
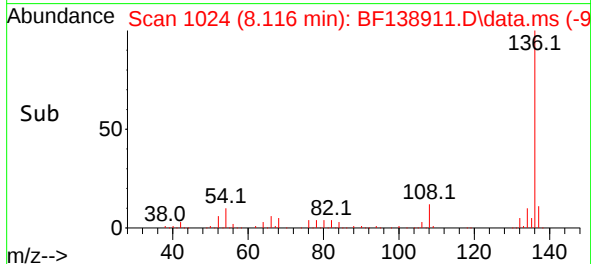
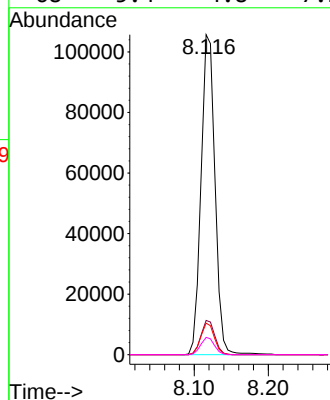
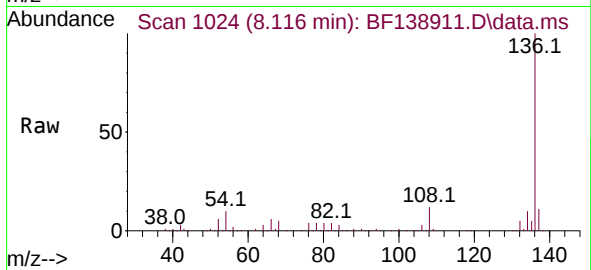
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.9 8.6 12.8

68 5.4 4.8 7.2



#23

Nitrobenzene-d5

Concen: 86.499 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

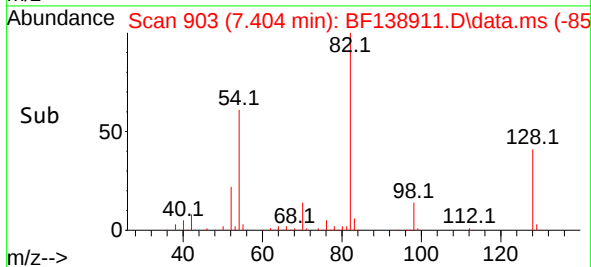
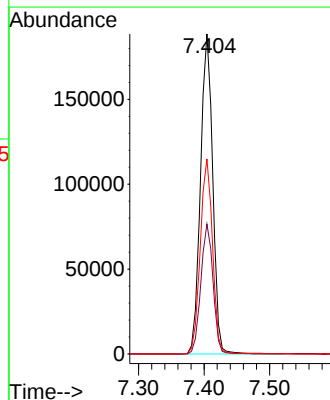
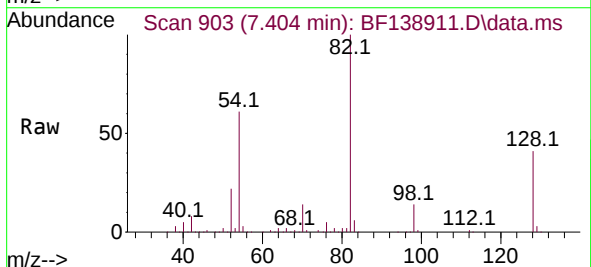
Tgt Ion: 82 Resp: 245410

Ion Ratio Lower Upper

82 100

128 40.6 32.8 49.2

54 60.9 48.3 72.5

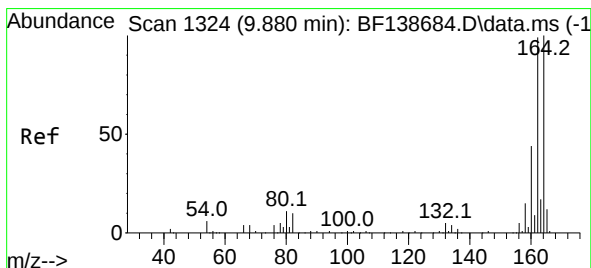
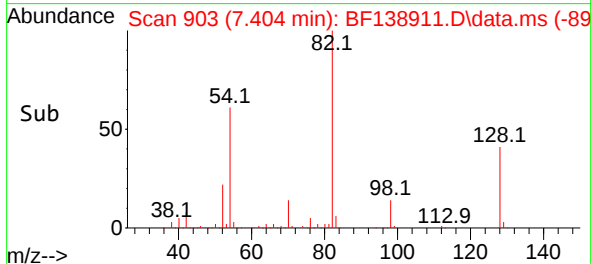
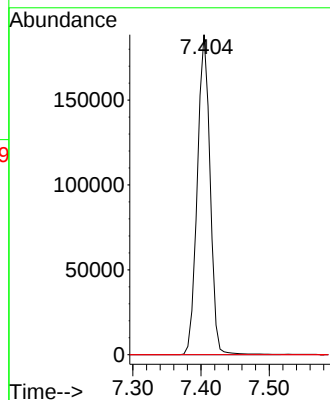
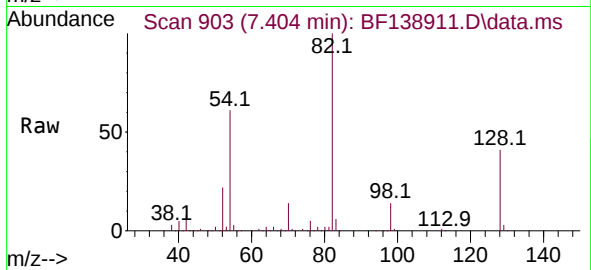




#25
Isophorone
Concen: 50.656 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138911.D
Acq: 10 Aug 2024 15:49

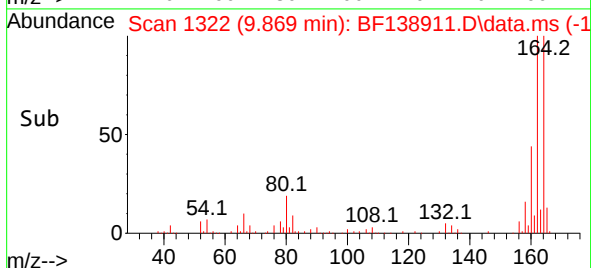
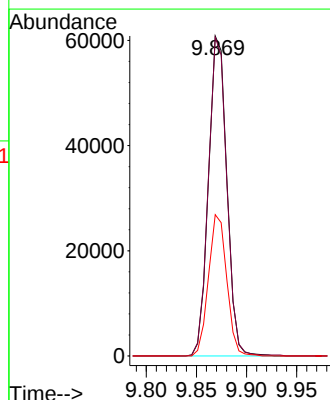
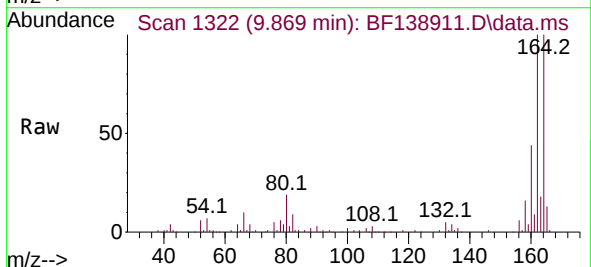
Instrument :
BNA_F
ClientSampleId :
MUL04

Tgt Ion: 82 Resp: 245408
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138911.D
Acq: 10 Aug 2024 15:49

Tgt Ion: 164 Resp: 77568
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.0
160 44.2 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 124.263 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

Instrument :

BNA_F

ClientSampleId :

MUL04

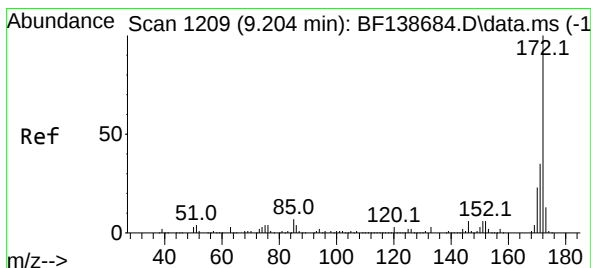
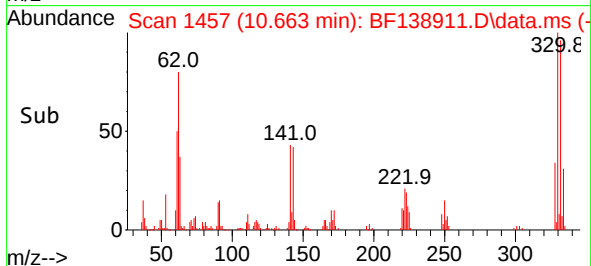
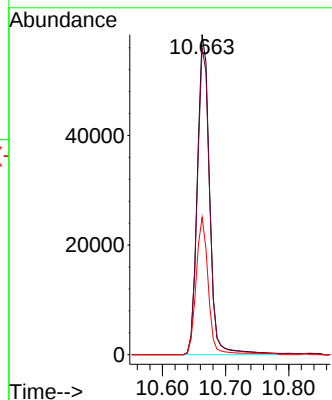
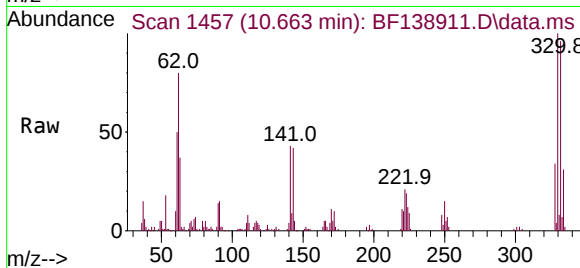
Tgt Ion:330 Resp: 78955

Ion Ratio Lower Upper

330 100

332 97.3 76.4 114.6

141 42.8 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 83.531 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

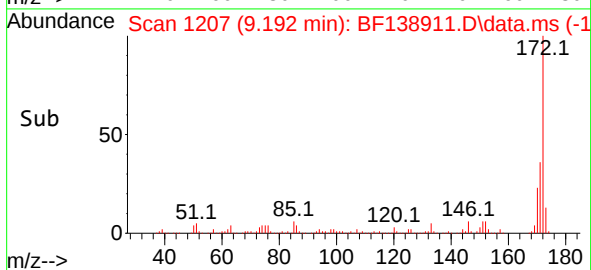
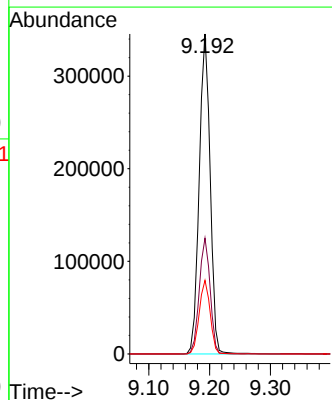
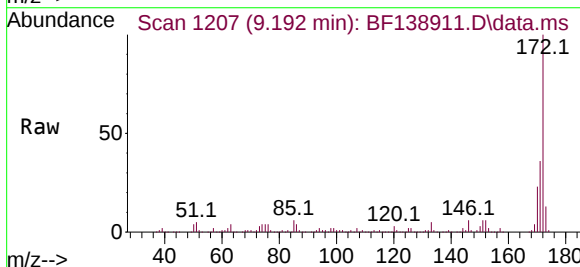
Tgt Ion:172 Resp: 431236

Ion Ratio Lower Upper

172 100

171 36.2 28.3 42.5

170 23.0 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.929 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

Instrument :

BNA_F

ClientSampleId :

MUL04

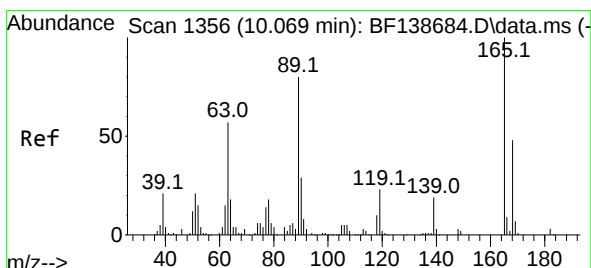
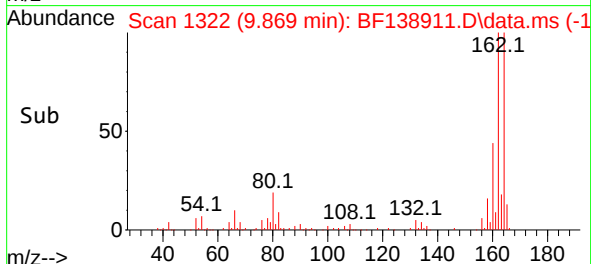
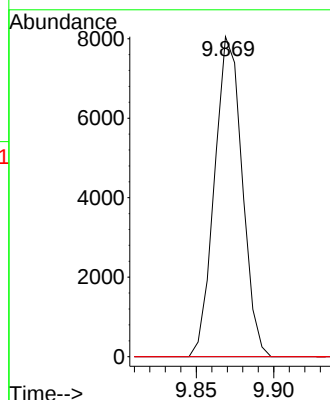
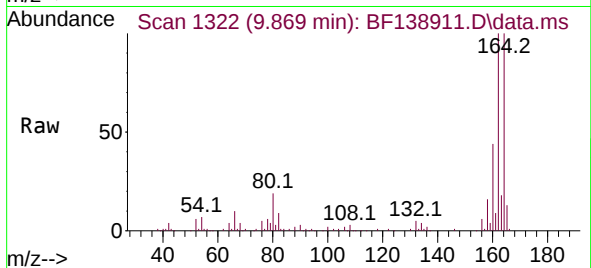
Tgt Ion:165 Resp: 9994

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#57

2,4-Dinitrotoluene

Concen: 6.998 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.200 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

Tgt Ion:165 Resp: 9994

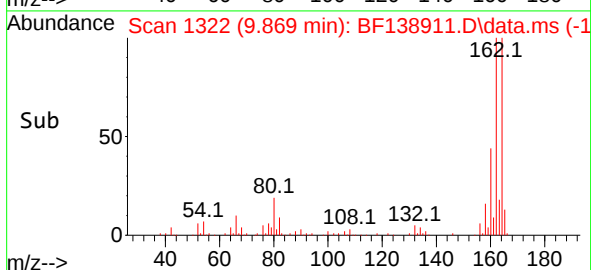
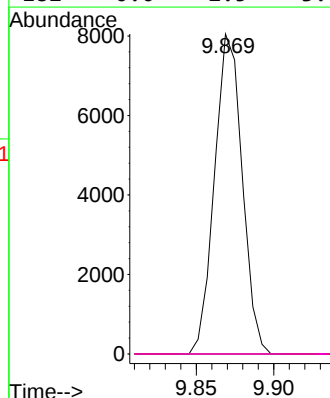
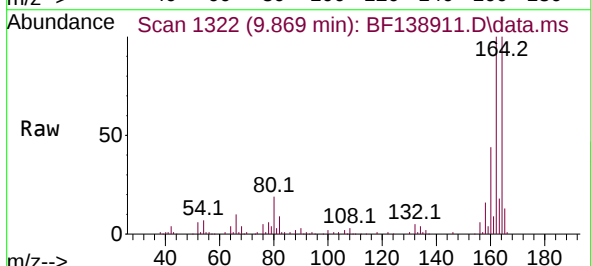
Ion Ratio Lower Upper

165 100

63 0.0 46.3 69.5#

89 0.0 64.2 96.4#

182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

Instrument :

BNA_F

ClientSampleId :

MUL04

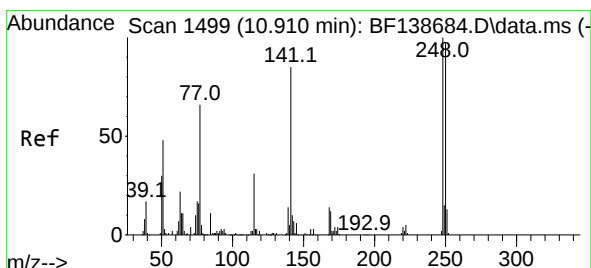
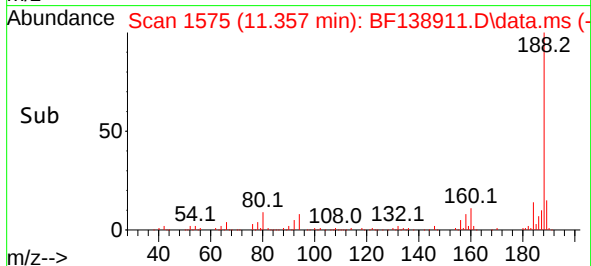
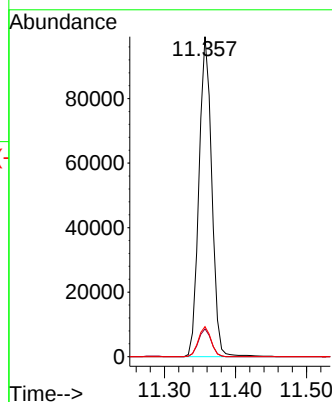
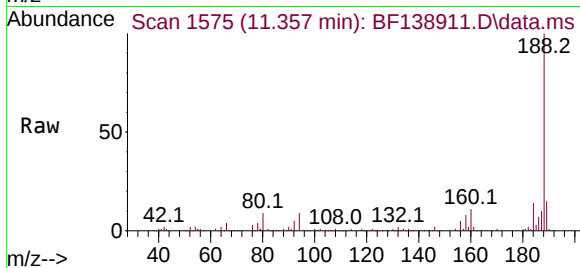
Tgt Ion:188 Resp: 124451

Ion Ratio Lower Upper

188 100

94 8.7 7.6 11.4

80 9.4 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 4.532 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

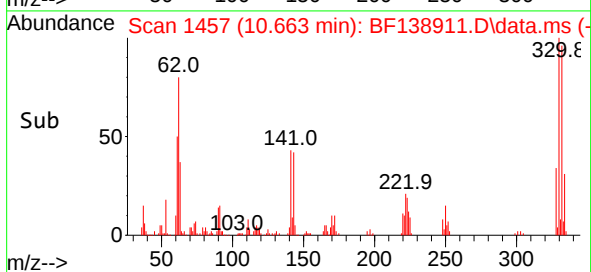
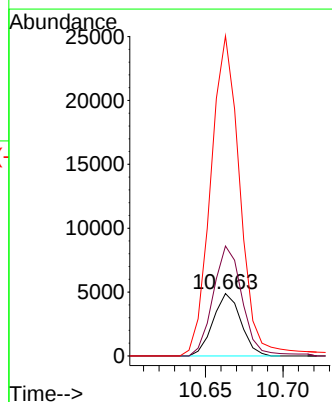
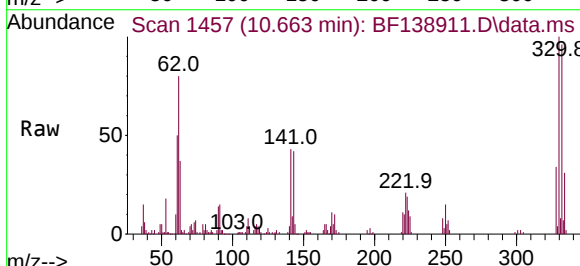
Tgt Ion:248 Resp: 6107

Ion Ratio Lower Upper

248 100

250 176.3 77.7 116.5#

141 513.0 68.0 102.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

Instrument :

BNA_F

ClientSampleId :

MUL04

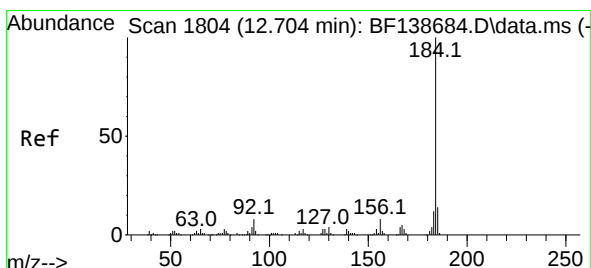
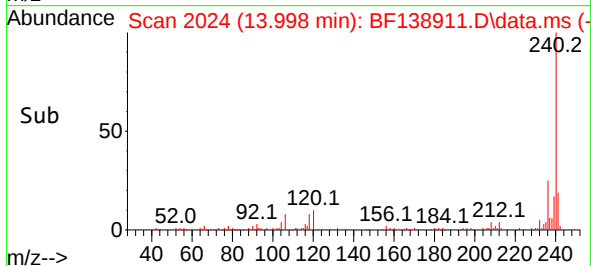
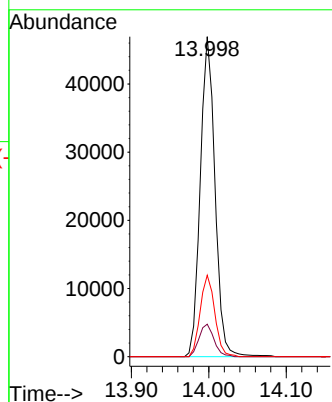
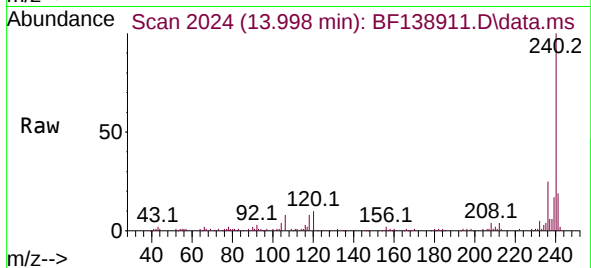
Tgt Ion:240 Resp: 61945

Ion Ratio Lower Upper

240 100

120 10.2 10.2 15.4#

236 25.4 19.8 29.8



#77

Benzidine

Concen: 3.203 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.235 min

Lab File: BF138911.D

Acq: 10 Aug 2024 15:49

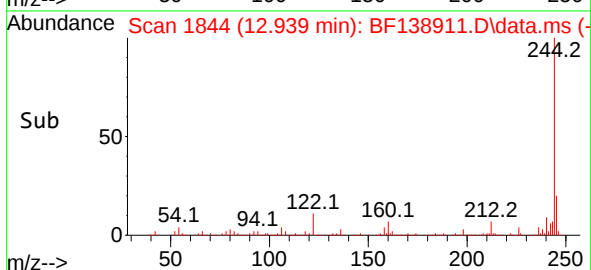
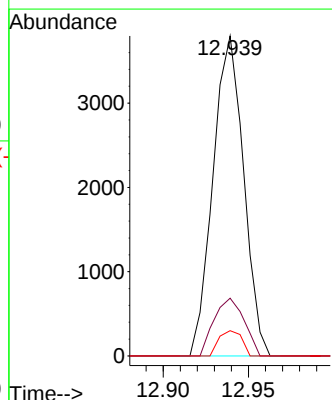
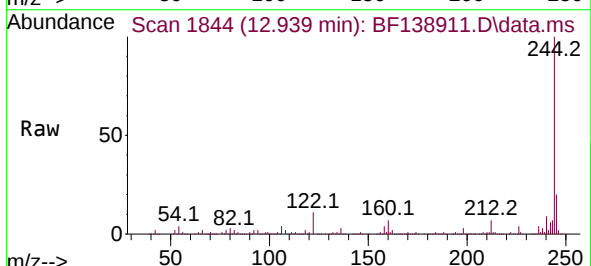
Tgt Ion:184 Resp: 4746

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

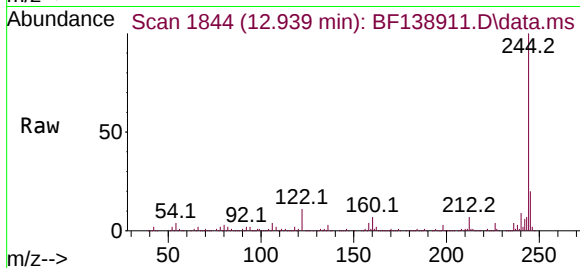
183 7.9 9.6 14.4#



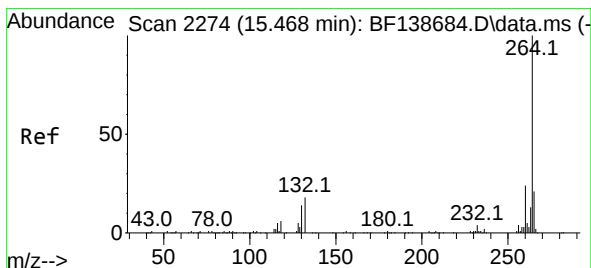
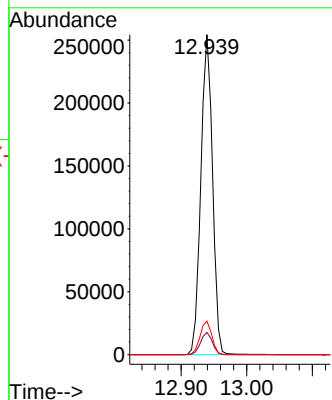
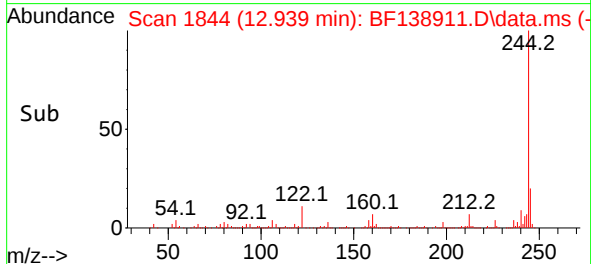


#79
 Terphenyl-d14
 Concen: 85.454 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF138911.D
 Acq: 10 Aug 2024 15:49

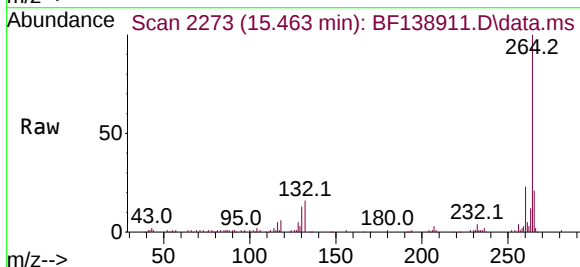
Instrument :
 BNA_F
 ClientSampleId :
 MUL04



Tgt Ion:244 Resp: 316163
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 10.5 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF138911.D
 Acq: 10 Aug 2024 15:49



Tgt Ion:264 Resp: 75880
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 21.3 17.0 25.6

