

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081224\
 Data File : BF138952.D
 Acq On : 13 Aug 2024 00:28
 Operator : RC/JU
 Sample : P3543-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0019

Quant Time: Aug 13 01:04:44 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)

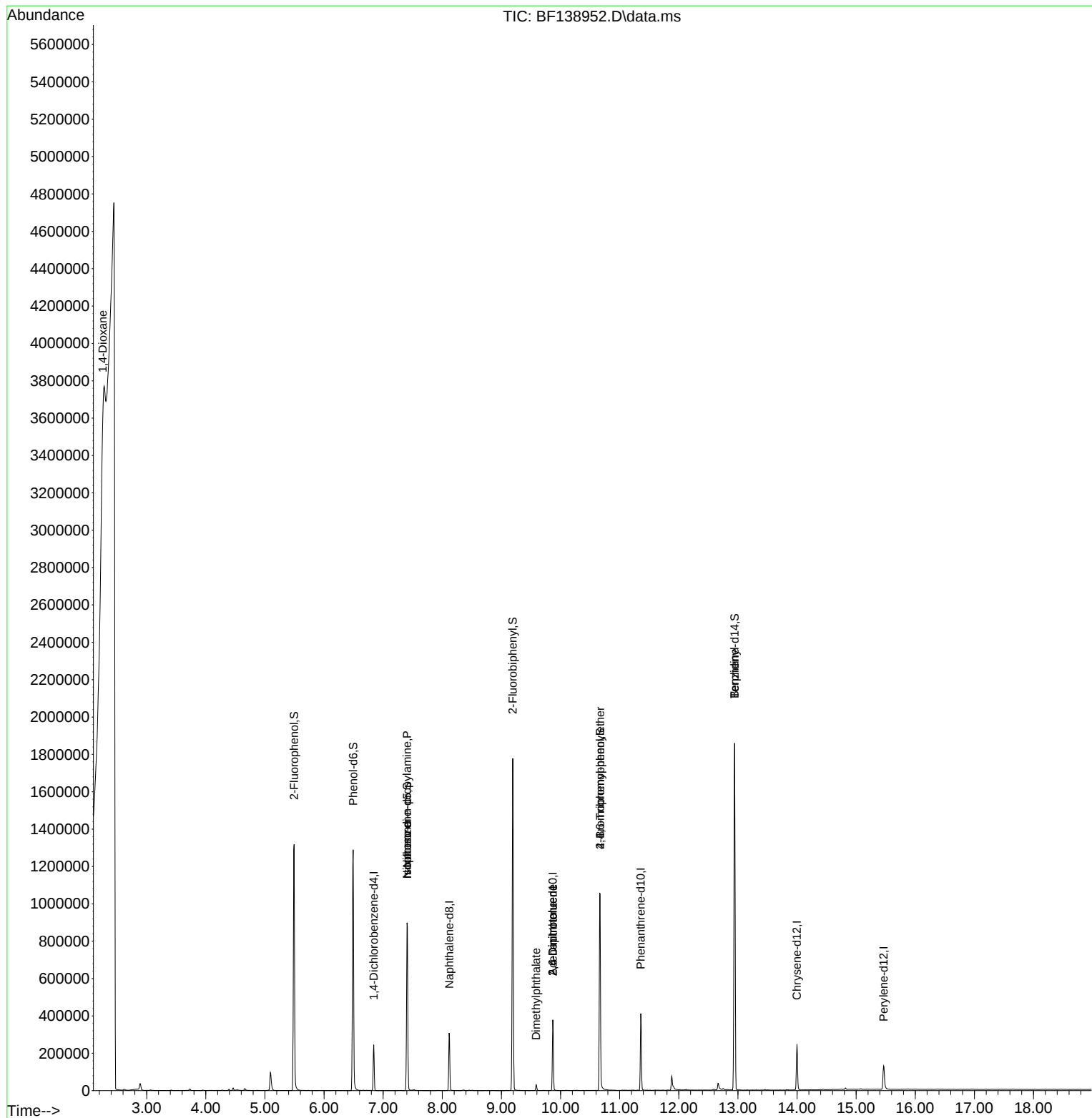
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45139	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	189203	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	110962	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	208700	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	116040	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	86668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	460997	157.651	ng	0.02
7) Phenol-d6	6.493	99	598714	152.500	ng	0.00
23) Nitrobenzene-d5	7.404	82	409558	105.833	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	166434	183.110	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	767597	103.938	ng	-0.01
79) Terphenyl-d14	12.945	244	909566	131.236	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.258	88	13611	10.632	ng	# 49
19) n-Nitroso-di-n-propyla...	7.404	70	56337	23.759	ng	# 80
25) Isophorone	7.404	82	409554	61.979	ng	# 66
50) Dimethylphthalate	9.587	163	19621	2.765	ng	98
51) 2,6-Dinitrotoluene	9.869	165	13932	8.701	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	13932	6.820	ng	# 16
67) 4-Bromophenyl-phenylether	10.669	248	12551	5.555	ng	# 1
77) Benzidine	12.945	184	12644	4.556	ng	# 93

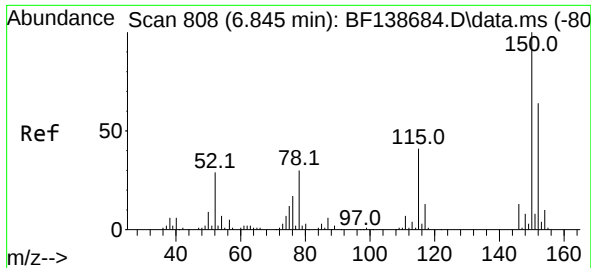
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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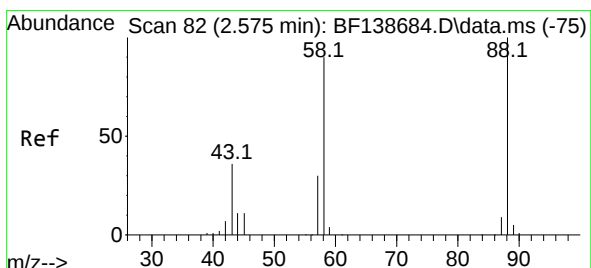
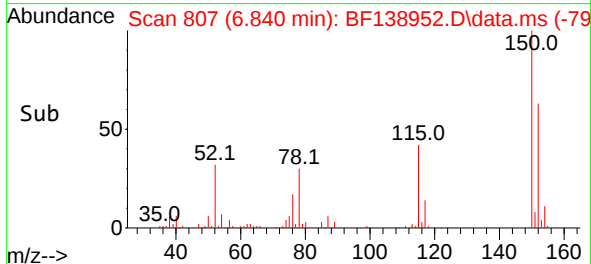
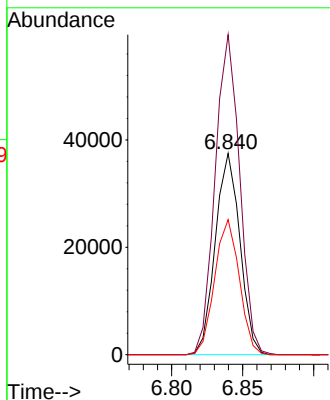
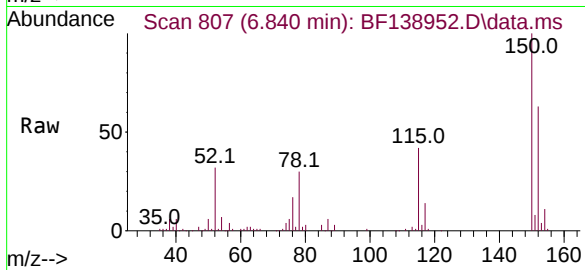




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: BF138952.D
 Acq: 13 Aug 2024 00:28

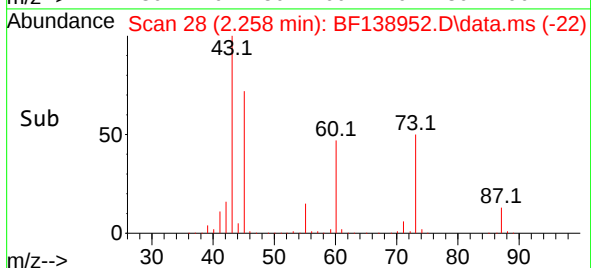
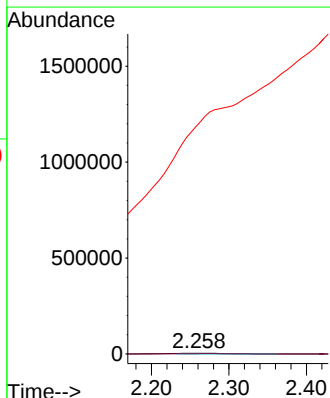
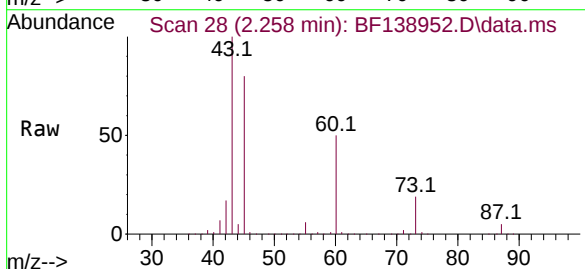
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0019

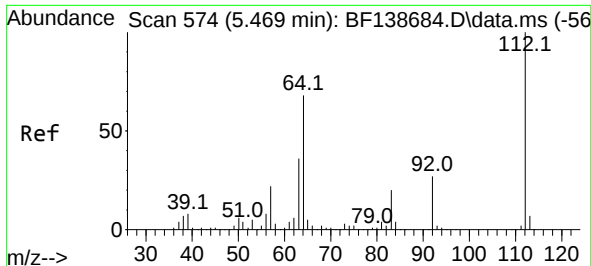
Tgt Ion:152 Resp: 45139
 Ion Ratio Lower Upper
 152 100
 150 159.0 126.0 189.0
 115 67.1 51.7 77.5



#2
 1,4-Dioxane
 Concen: 10.632 ng
 RT: 2.258 min Scan# 28
 Delta R.T. -0.317 min
 Lab File: BF138952.D
 Acq: 13 Aug 2024 00:28

Tgt Ion: 88 Resp: 13611
 Ion Ratio Lower Upper
 88 100
 58 45.5 71.6 107.4#
 43 0.0 28.7 43.1#

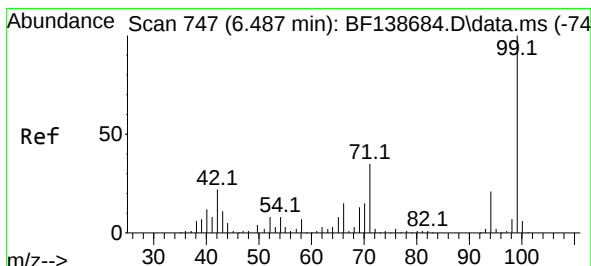
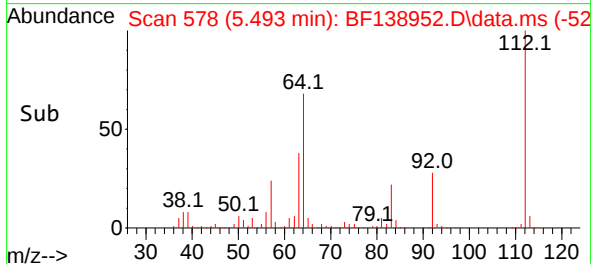
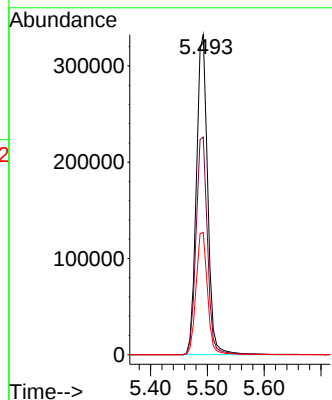
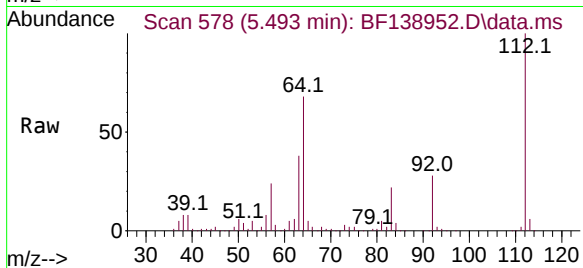




#5
2-Fluorophenol
Concen: 157.651 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

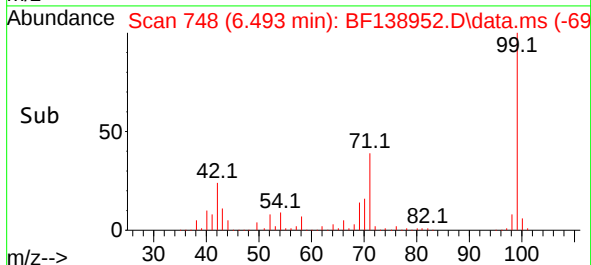
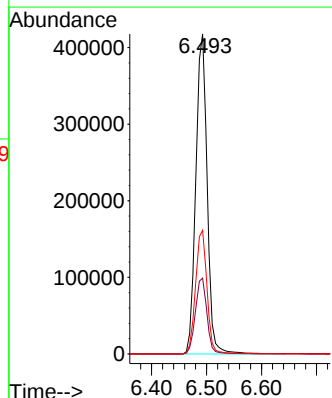
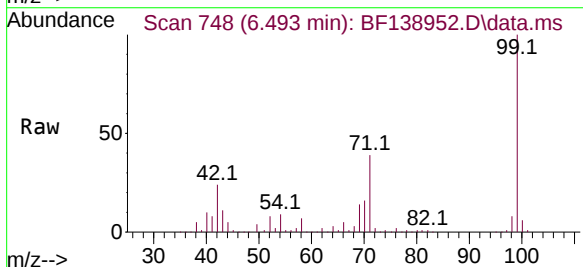
Instrument :
BNA_F
ClientSampleId :
ARS20-0019

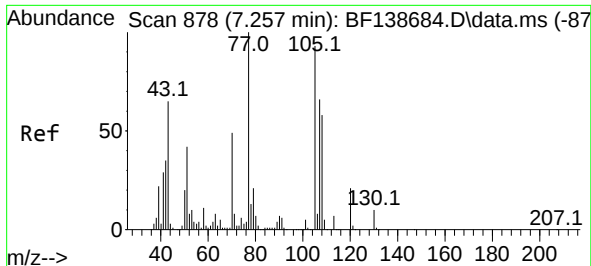
Tgt Ion:112 Resp: 460997
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 38.2 28.7 43.1



#7
Phenol-d6
Concen: 152.500 ng
RT: 6.493 min Scan# 748
Delta R.T. 0.006 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

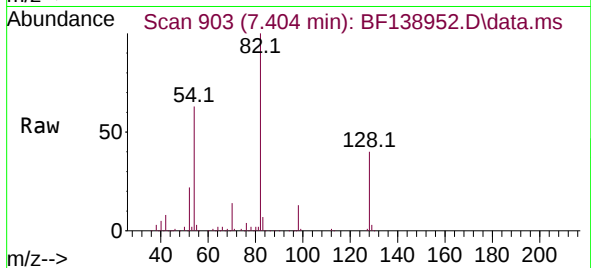
Tgt Ion: 99 Resp: 598714
Ion Ratio Lower Upper
99 100
42 23.7 17.4 26.0
71 38.6 28.1 42.1



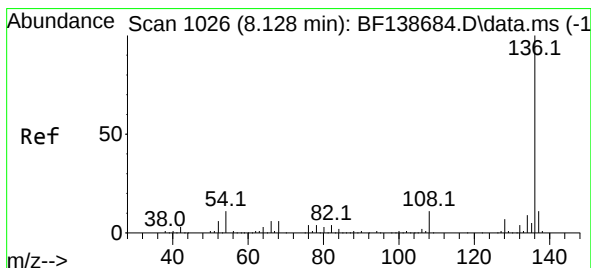
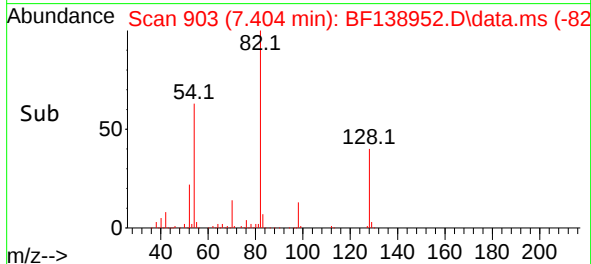
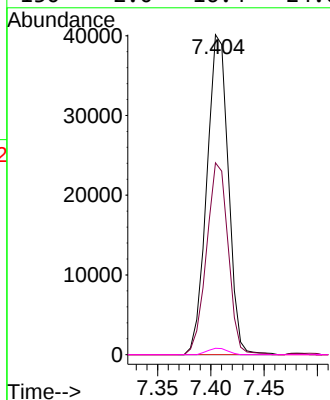


#19
n-Nitroso-di-n-propylamine
Concen: 23.759 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

Instrument :
BNA_F
ClientSampleId :
ARS20-0019

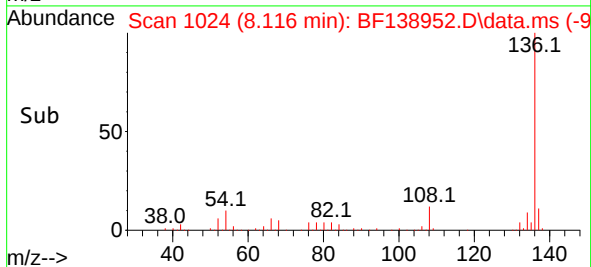
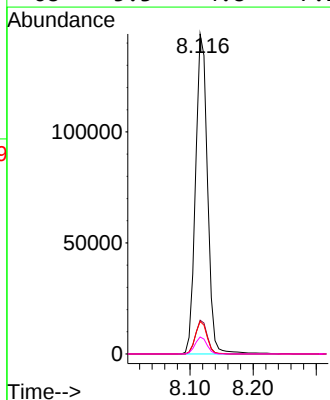
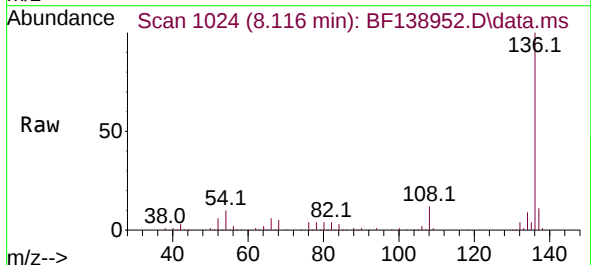


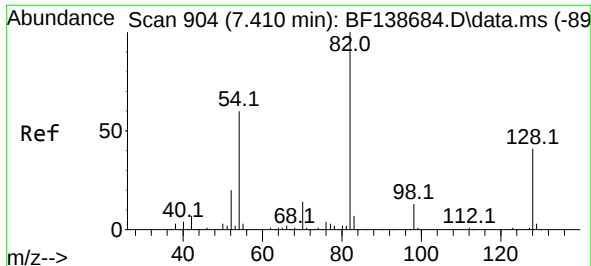
Tgt Ion: 70 Resp: 56337
Ion Ratio Lower Upper
70 100
42 60.0 57.4 86.0
101 0.0 7.5 11.3#
130 2.0 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

Tgt Ion: 136 Resp: 189203
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 10.1 8.6 12.8
68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 105.833 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138952.D

Acq: 13 Aug 2024 00:28

Instrument :

BNA_F

ClientSampleId :

ARS20-0019

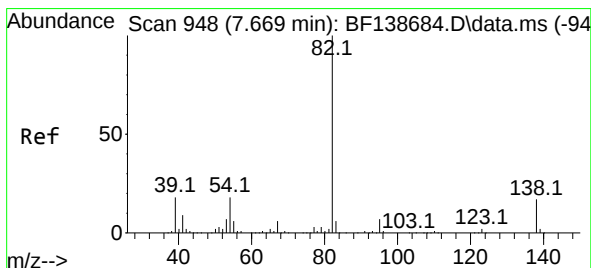
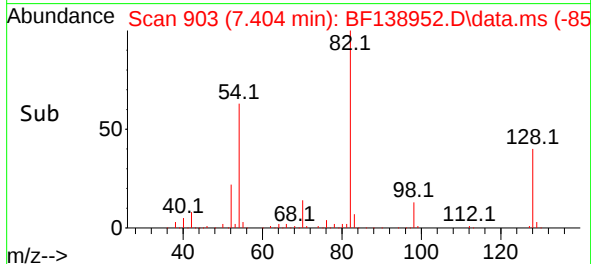
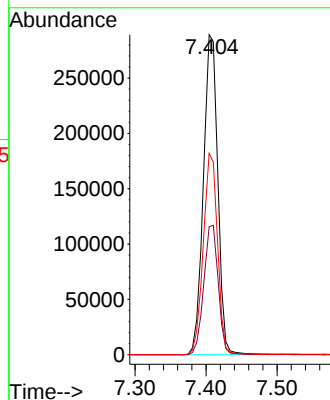
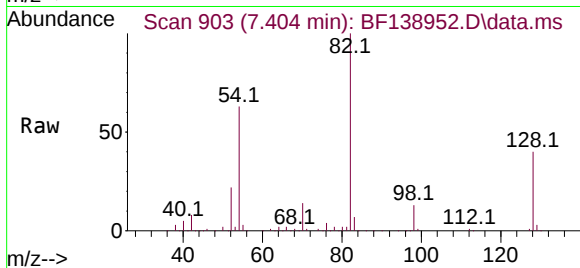
Tgt Ion: 82 Resp: 409558

Ion Ratio Lower Upper

82 100

128 40.0 32.8 49.2

54 62.9 48.3 72.5



#25

Isophorone

Concen: 61.979 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF138952.D

Acq: 13 Aug 2024 00:28

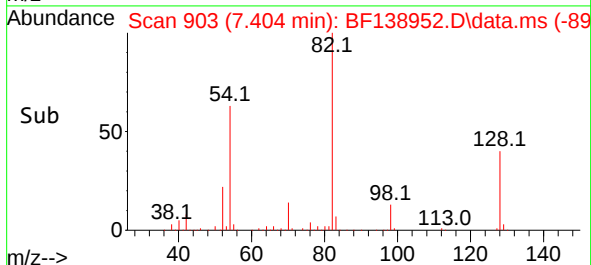
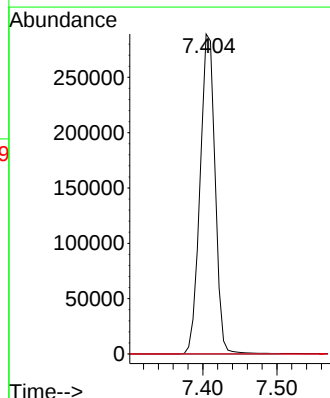
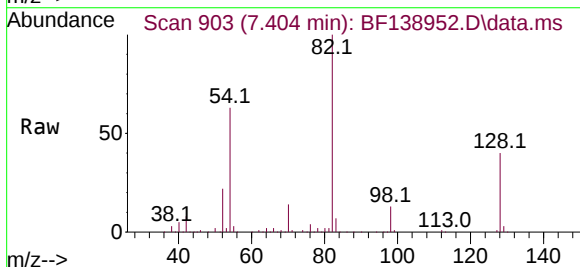
Tgt Ion: 82 Resp: 409554

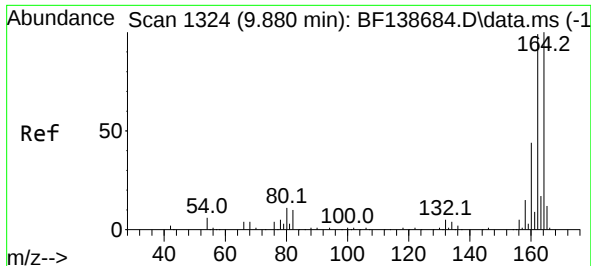
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

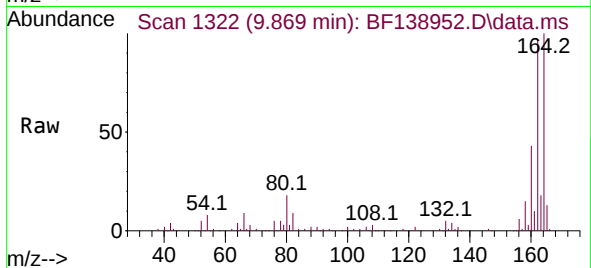
138 0.0 13.7 20.5#



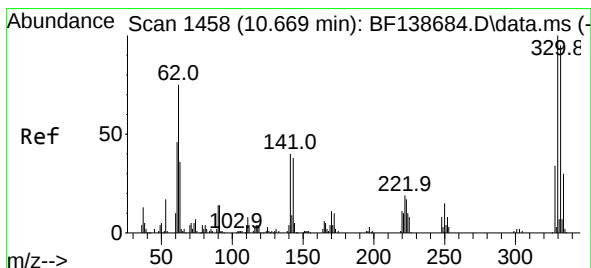
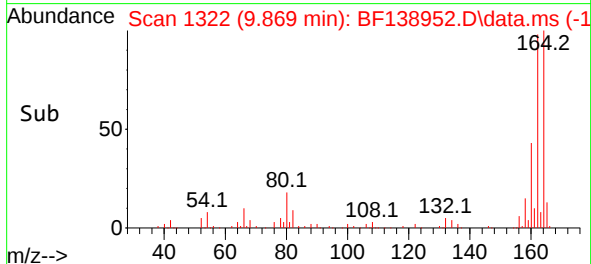
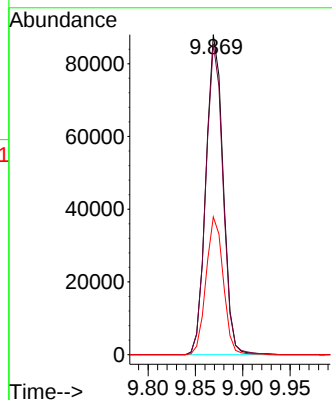


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

Instrument :
BNA_F
ClientSampleId :
ARS20-0019

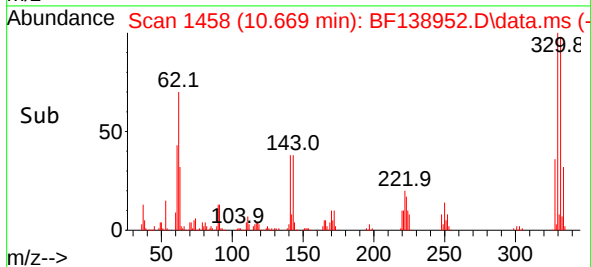
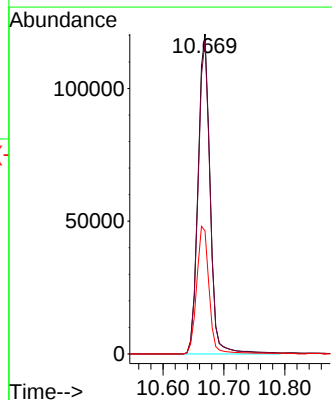
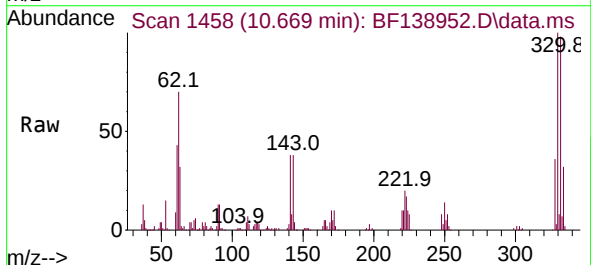


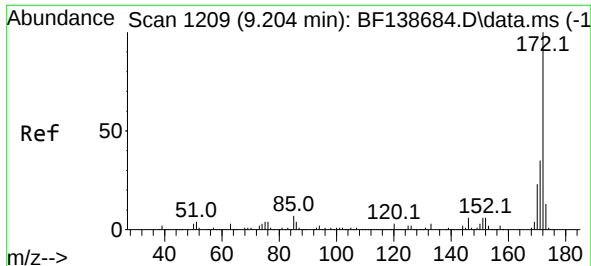
Tgt Ion:164 Resp: 110962
Ion Ratio Lower Upper
164 100
162 97.1 79.4 119.0
160 43.0 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 183.110 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

Tgt Ion:330 Resp: 166434
Ion Ratio Lower Upper
330 100
332 97.7 76.4 114.6
141 41.0 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 103.938 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138952.D

Acq: 13 Aug 2024 00:28

Instrument :

BNA_F

ClientSampleId :

ARS20-0019

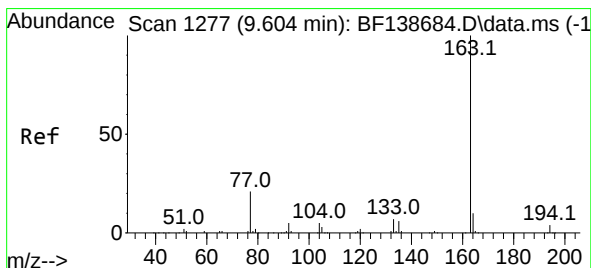
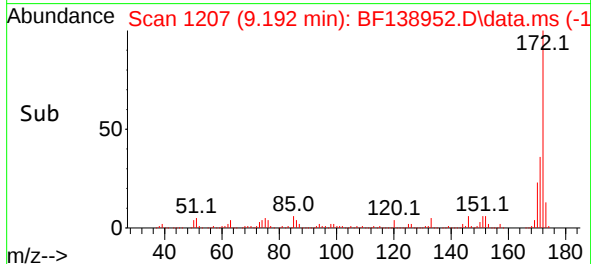
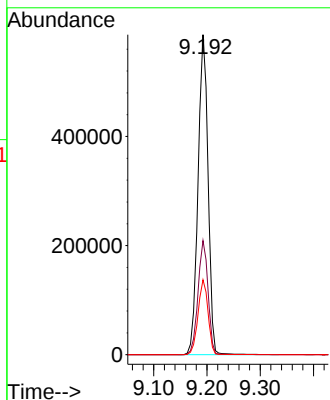
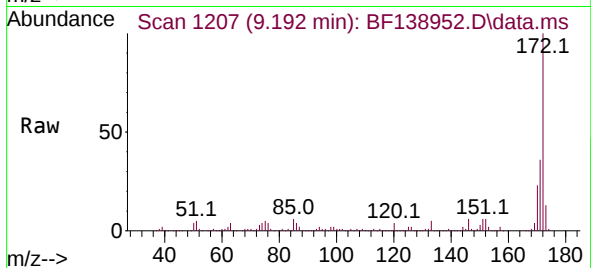
Tgt Ion:172 Resp: 767597

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.4 18.8 28.2



#50

Dimethylphthalate

Concen: 2.765 ng

RT: 9.587 min Scan# 1274

Delta R.T. -0.018 min

Lab File: BF138952.D

Acq: 13 Aug 2024 00:28

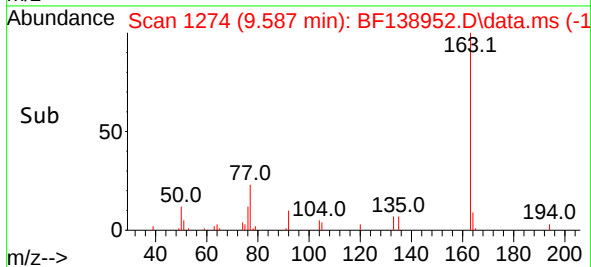
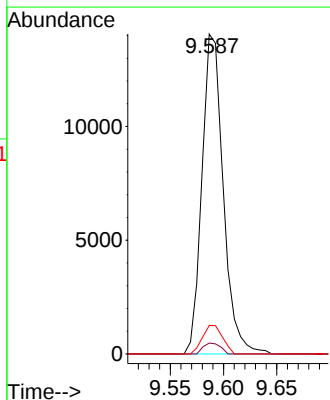
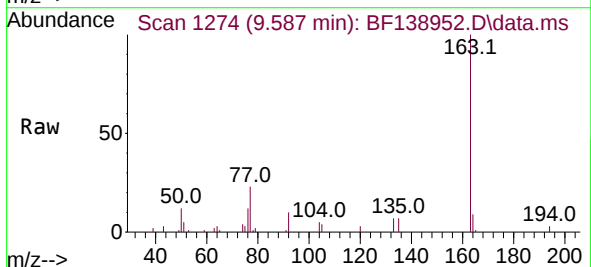
Tgt Ion:163 Resp: 19621

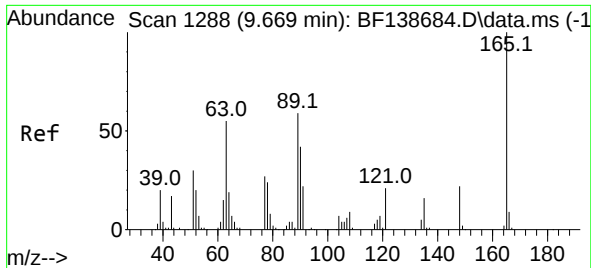
Ion Ratio Lower Upper

163 100

194 3.4 3.1 4.7

164 8.9 7.8 11.8

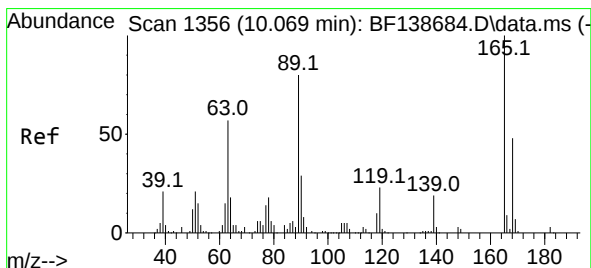
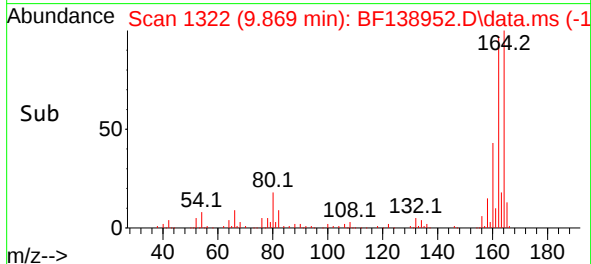
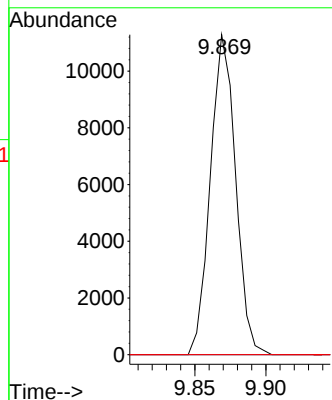
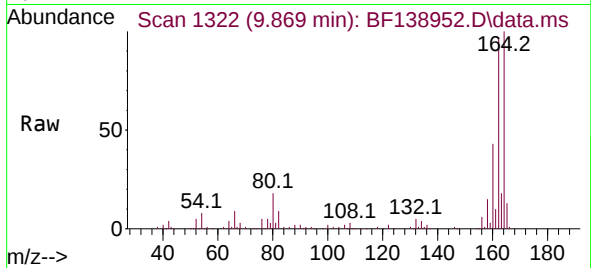




#51
2,6-Dinitrotoluene
Concen: 8.701 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

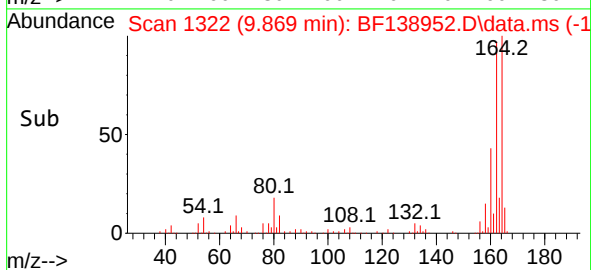
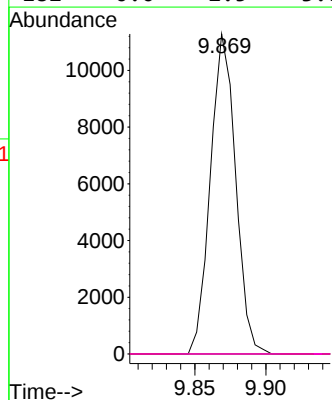
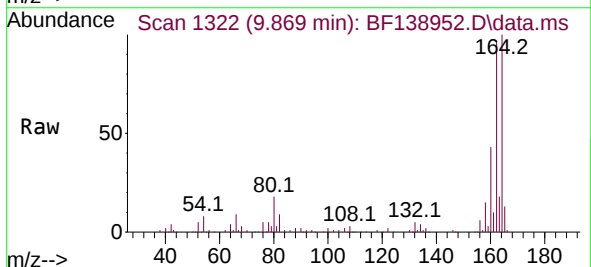
Instrument :
BNA_F
ClientSampleId :
ARS20-0019

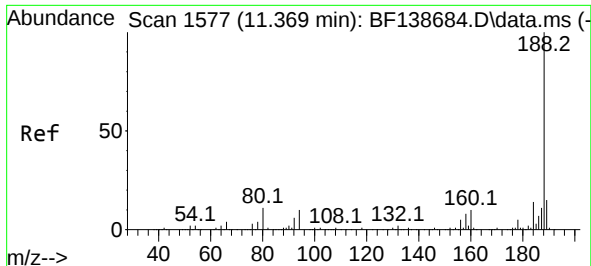
Tgt Ion:165 Resp: 13932
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 6.820 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

Tgt Ion:165 Resp: 13932
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#

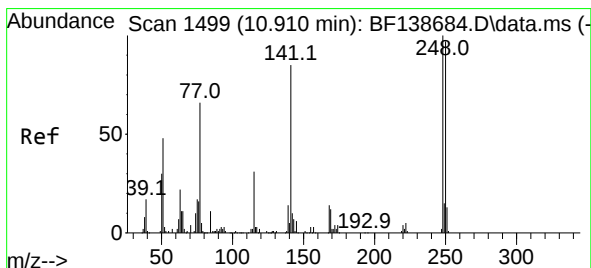
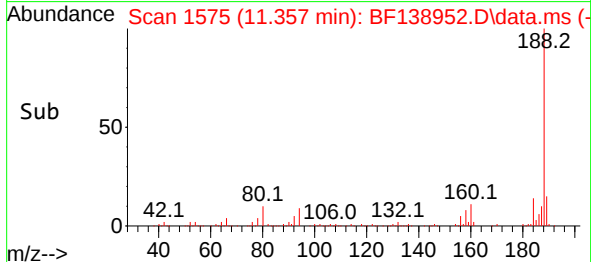
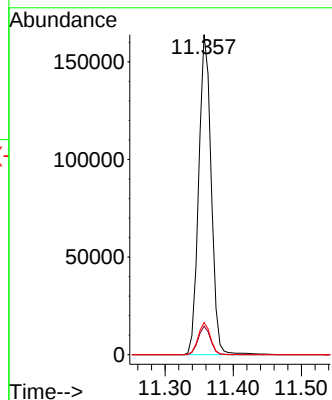
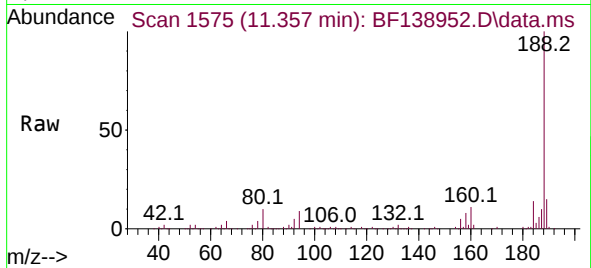




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

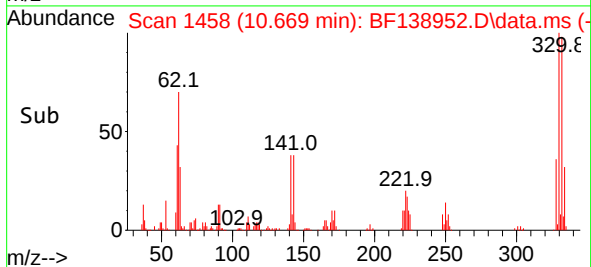
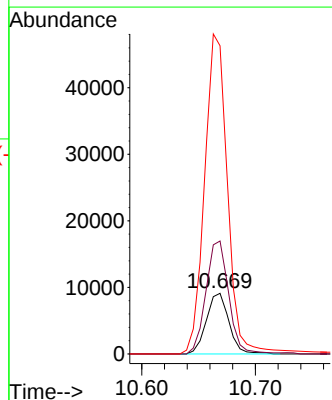
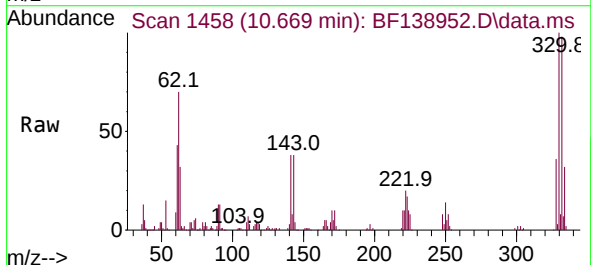
Instrument :
BNA_F
ClientSampleId :
ARS20-0019

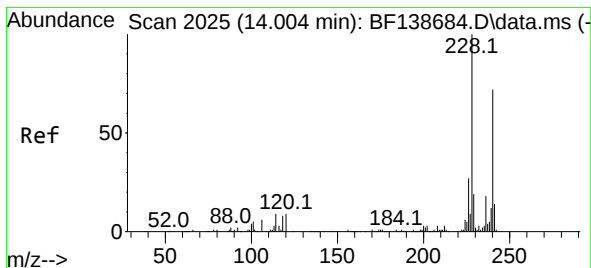
Tgt Ion:188 Resp: 208700
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 10.0 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 5.555 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.241 min
Lab File: BF138952.D
Acq: 13 Aug 2024 00:28

Tgt Ion:248 Resp: 12551
Ion Ratio Lower Upper
248 100
250 186.3 77.7 116.5#
141 508.0 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: BF138952.D

Acq: 13 Aug 2024 00:28

Instrument :

BNA_F

ClientSampleId :

ARS20-0019

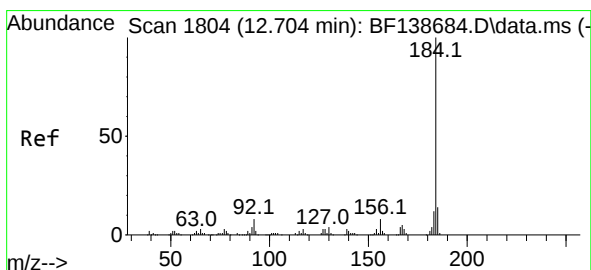
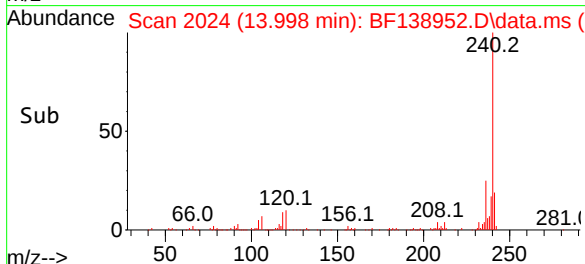
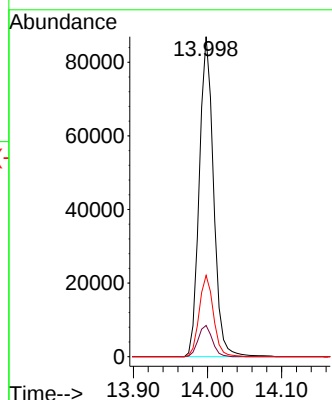
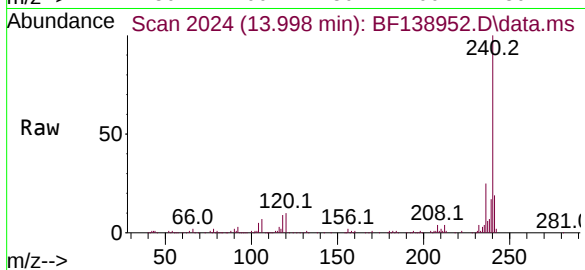
Tgt Ion:240 Resp: 116040

Ion Ratio Lower Upper

240 100

120 9.8 10.2 15.4#

236 25.4 19.8 29.8



#77

Benzdine

Concen: 4.556 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.241 min

Lab File: BF138952.D

Acq: 13 Aug 2024 00:28

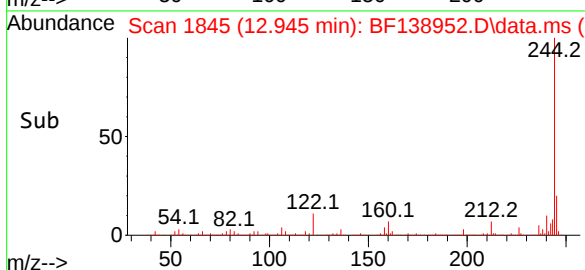
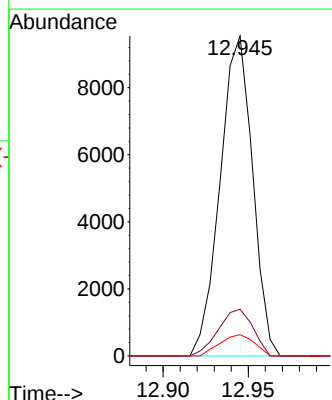
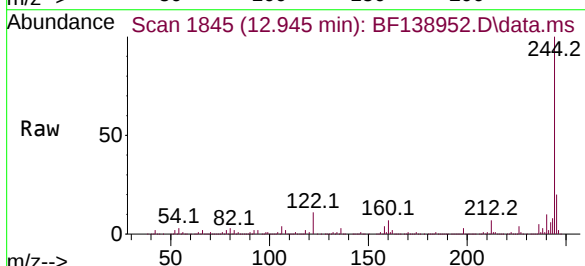
Tgt Ion:184 Resp: 12644

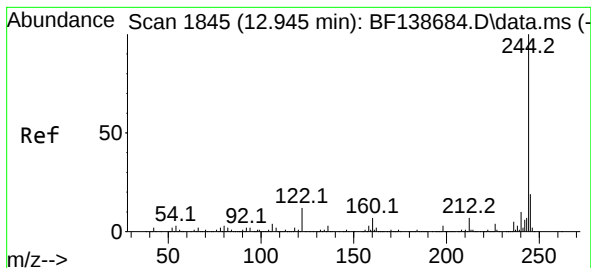
Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

183 6.7 9.6 14.4#





#79

Terphenyl-d14

Concen: 131.236 ng

RT: 12.945 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138952.D

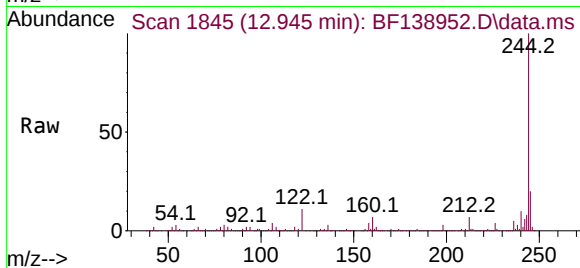
Acq: 13 Aug 2024 00:28

Instrument :

BNA_F

ClientSampleId :

ARS20-0019



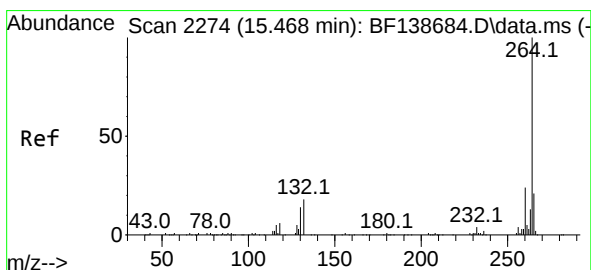
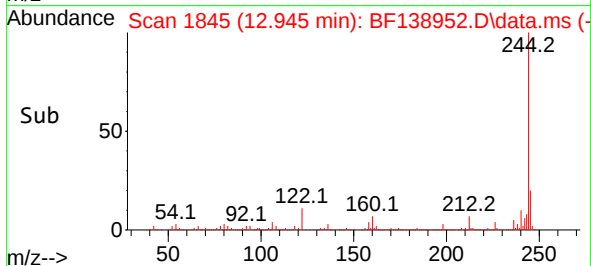
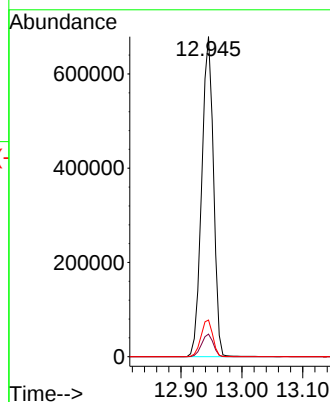
Tgt Ion:244 Resp: 909566

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.5 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: BF138952.D

Acq: 13 Aug 2024 00:28

Tgt Ion:264 Resp: 86668

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 22.0 17.0 25.6

