

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138921.D
 Acq On : 10 Aug 2024 20:54
 Operator : RC/JU
 Sample : P3476-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MUL06

Quant Time: Aug 12 01:19:53 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)

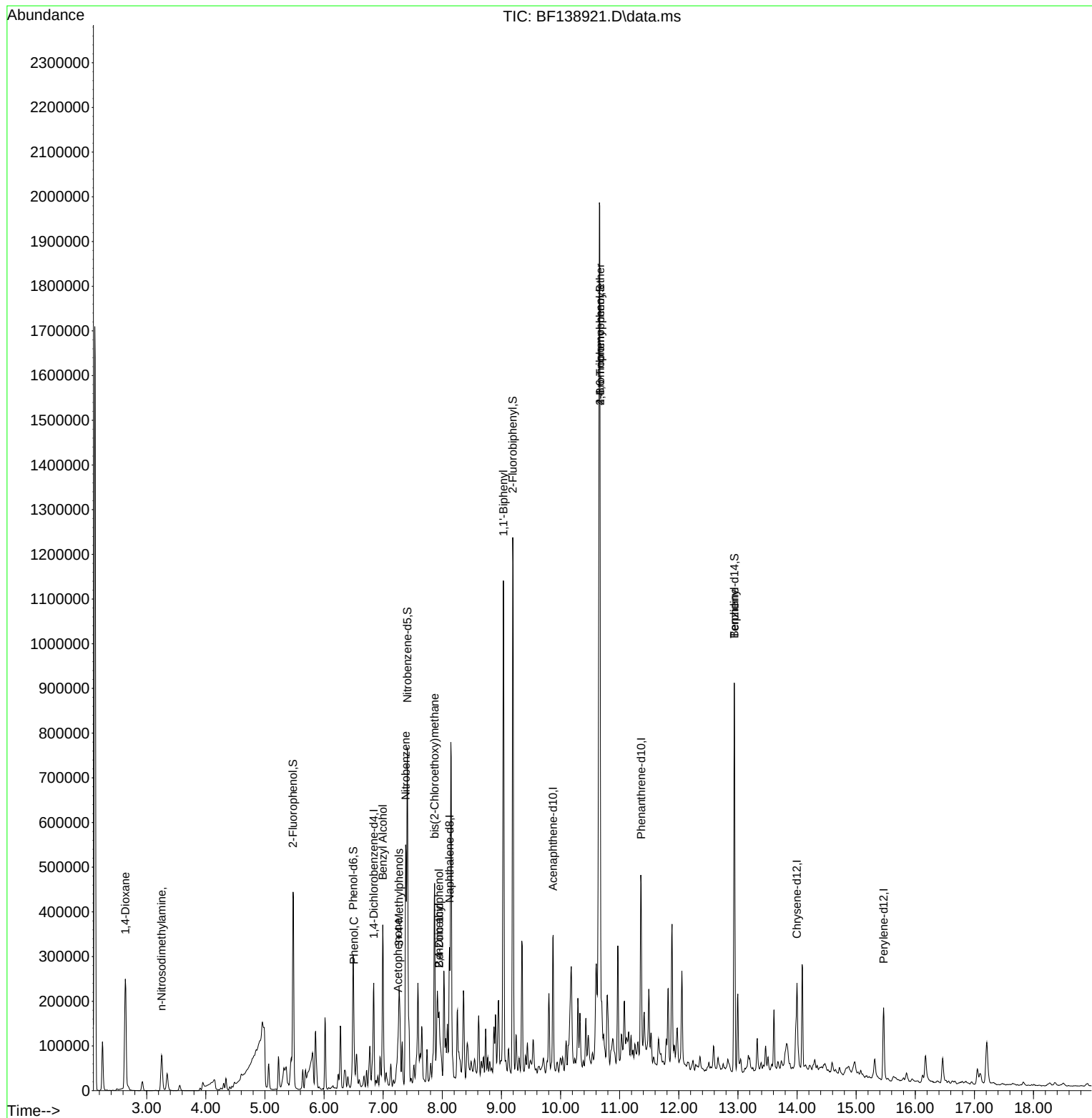
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	39530	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	167340	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	84918	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	123030	20.000	ng	0.00
76) Chrysene-d12	13.998	240	79597	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	86978	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	145017	56.629	ng	0.00
7) Phenol-d6	6.493	99	126172	36.698	ng	0.00
23) Nitrobenzene-d5	7.410	82	303216	88.590	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	84514	121.499	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	503373	89.064	ng	-0.01
79) Terphenyl-d14	12.939	244	392355	82.529	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	15860	14.146	ng	# 1
4) n-Nitrosodimethylamine	3.252	42	23520	14.541	ng	# 3
10) Phenol	6.504	94	18340	5.066	ng	88
15) Benzyl Alcohol	6.993	79	93978	37.924	ng	98
20) 3+4-Methylphenols	7.269	107	44003	15.415	ng	# 46
22) Acetophenone	7.251	105	23422	5.716	ng	# 95
24) Nitrobenzene	7.381	77	9202	2.642	ng	# 1
27) 2,4-Dimethylphenol	7.945	122	59093	32.961	ng	# 6
28) bis(2-Chloroethoxy)met...	7.869	93	14904	4.188	ng	# 1
32) Benzoic acid	7.945	122	59093	41.931	ng	92
46) 1,1'-Biphenyl	9.034	154	266010	39.998	ng	# 46
67) 4-Bromophenyl-phenylether	10.669	248	6499	4.879	ng	# 1
77) Benzidine	12.939	184	5944	3.122	ng	# 94

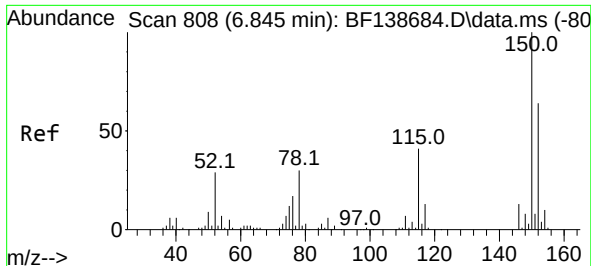
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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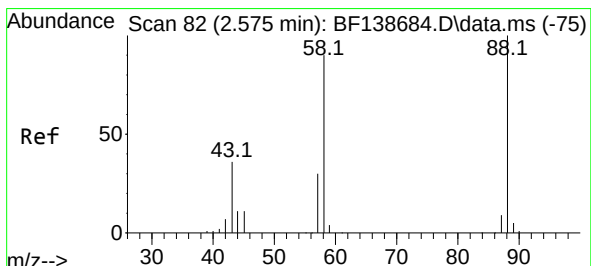
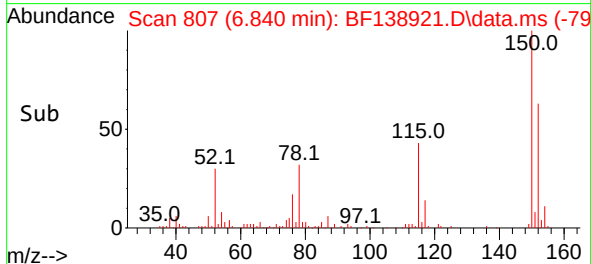
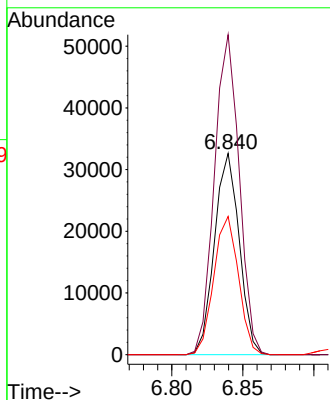
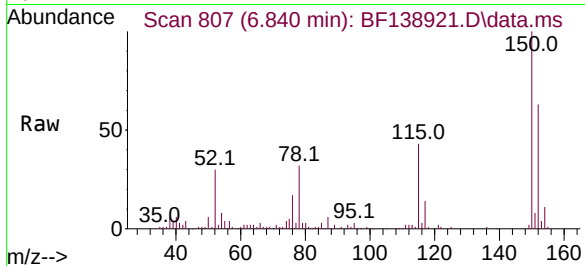




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: BF138921.D
 Acq: 10 Aug 2024 20:54

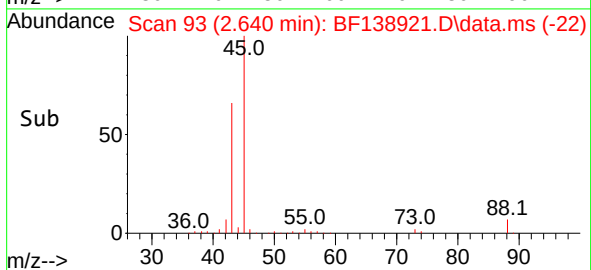
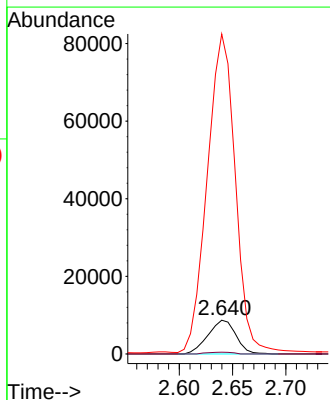
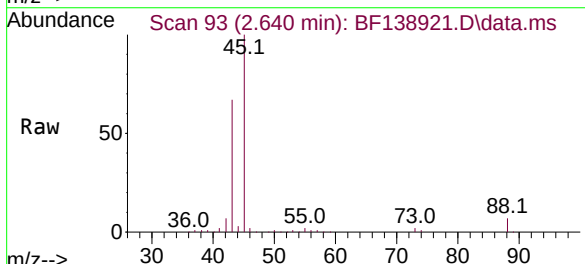
Instrument :
 BNA_F
 ClientSampleId :
 MUL06

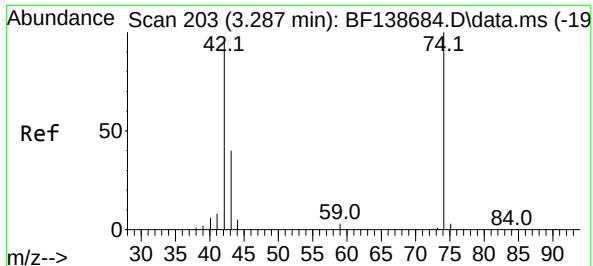
Tgt Ion:152 Resp: 39530
 Ion Ratio Lower Upper
 152 100
 150 159.0 126.0 189.0
 115 68.7 51.7 77.5



#2
 1,4-Dioxane
 Concen: 14.146 ng
 RT: 2.640 min Scan# 93
 Delta R.T. 0.065 min
 Lab File: BF138921.D
 Acq: 10 Aug 2024 20:54

Tgt Ion: 88 Resp: 15860
 Ion Ratio Lower Upper
 88 100
 58 4.8 71.6 107.4#
 43 958.3 28.7 43.1#

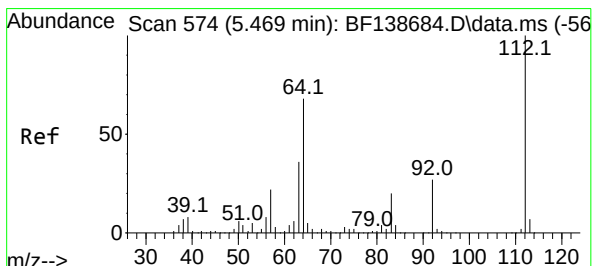
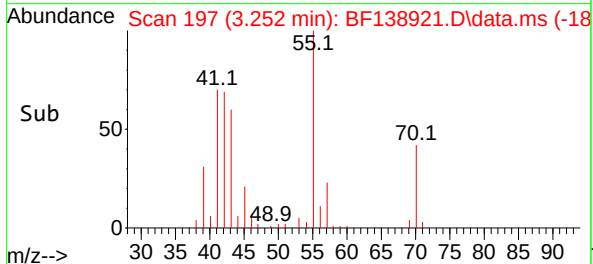
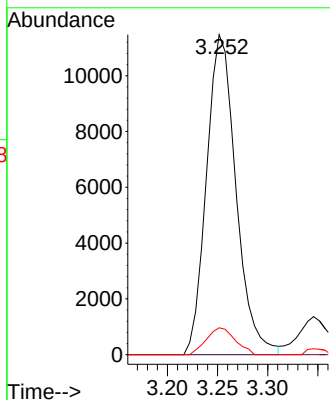
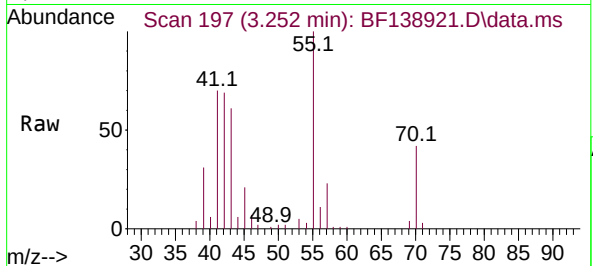




#4
n-Nitrosodimethylamine
Concen: 14.541 ng
RT: 3.252 min Scan# 197
Delta R.T. -0.035 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

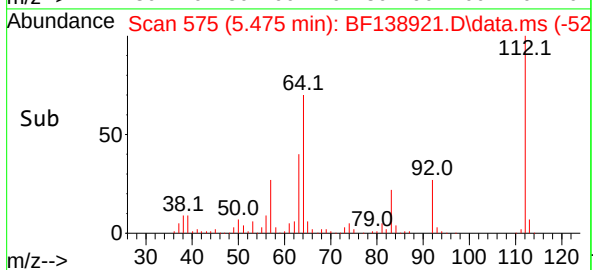
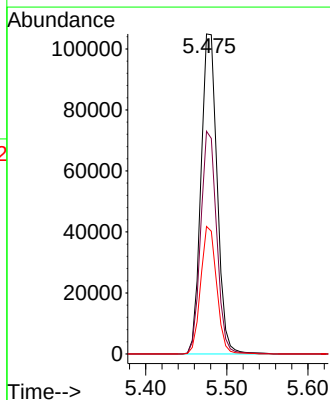
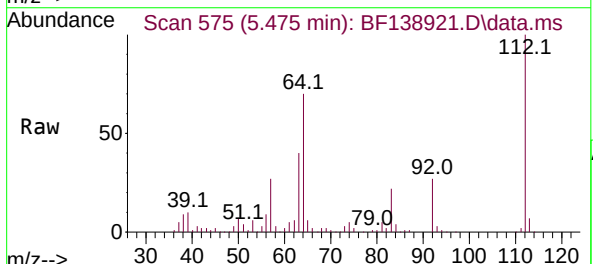
Instrument :
BNA_F
ClientSampleId :
MUL06

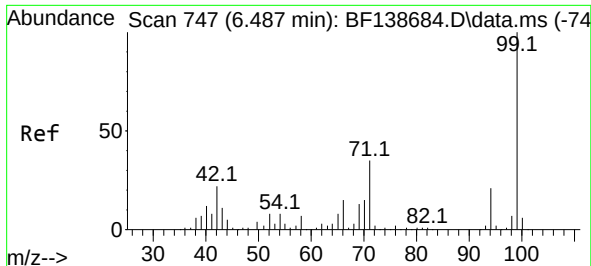
Tgt Ion: 42 Resp: 23520
Ion Ratio Lower Upper
42 100
74 0.0 84.2 126.4#
44 8.4 4.9 7.3#



#5
2-Fluorophenol
Concen: 56.629 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion: 112 Resp: 145017
Ion Ratio Lower Upper
112 100
64 69.6 54.2 81.4
63 39.9 28.7 43.1





#7

Phenol-d6

Concen: 36.698 ng

RT: 6.493 min Scan# 74

Delta R.T. 0.006 min

Lab File: BF138921.D

Acq: 10 Aug 2024 20:54

Instrument :

BNA_F

ClientSampleId :

MUL06

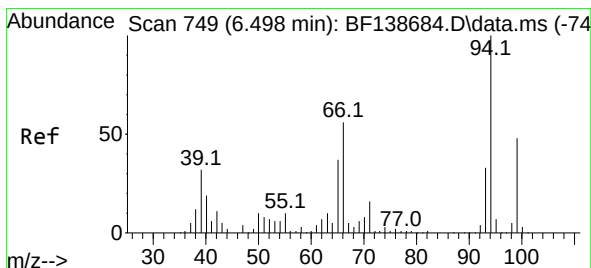
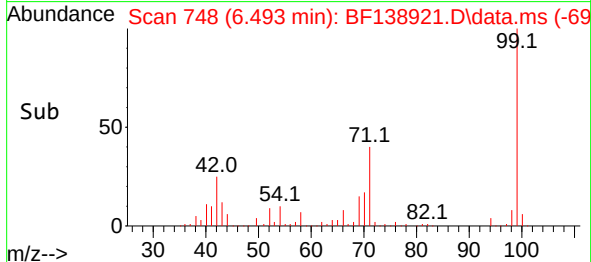
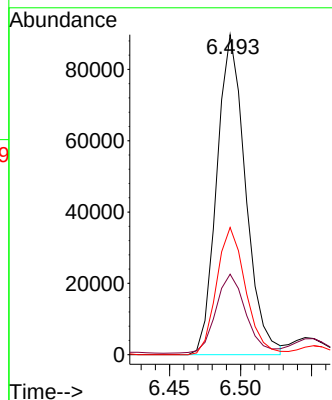
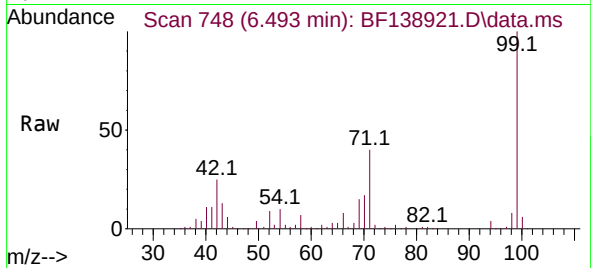
Tgt Ion: 99 Resp: 126172

Ion Ratio Lower Upper

99 100

42 25.1 17.4 26.0

71 39.7 28.1 42.1



#10

Phenol

Concen: 5.066 ng

RT: 6.504 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF138921.D

Acq: 10 Aug 2024 20:54

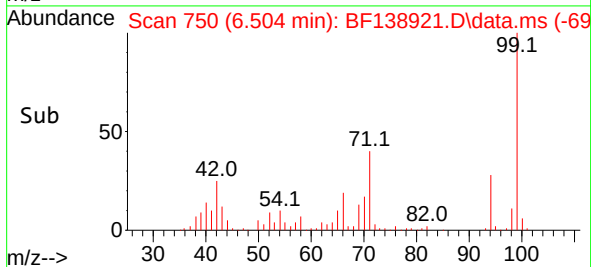
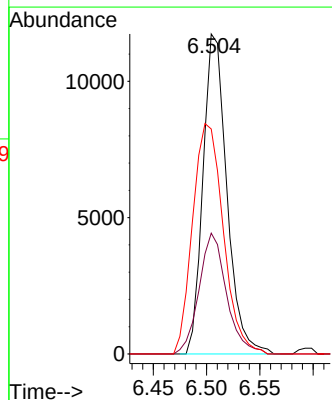
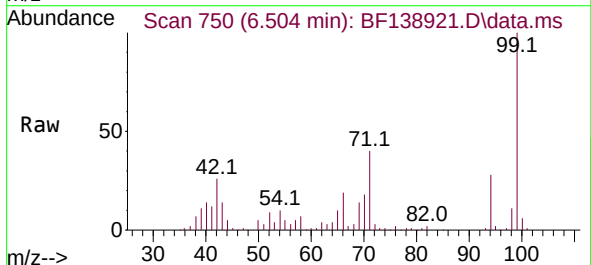
Tgt Ion: 94 Resp: 18340

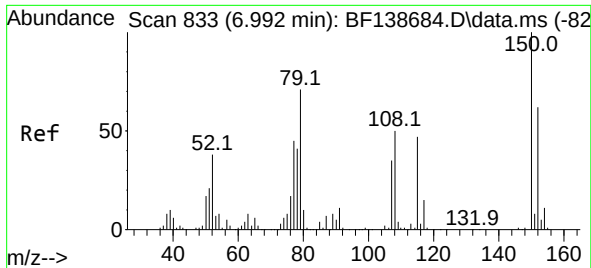
Ion Ratio Lower Upper

94 100

65 37.8 16.9 56.9

66 70.3 36.5 76.5

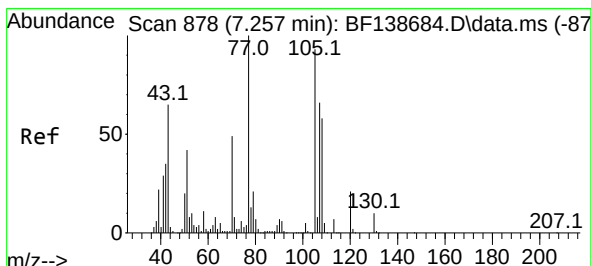
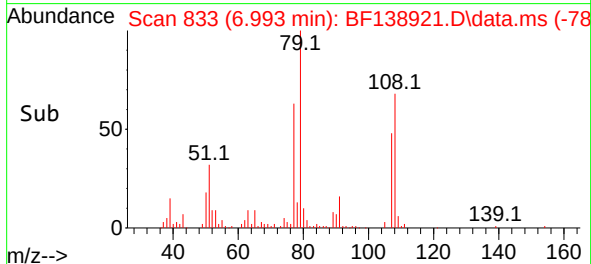
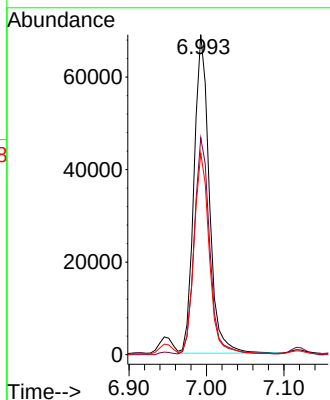
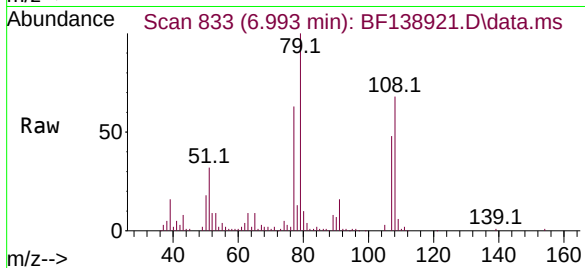




#15
Benzyl Alcohol
Concen: 37.924 ng
RT: 6.993 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

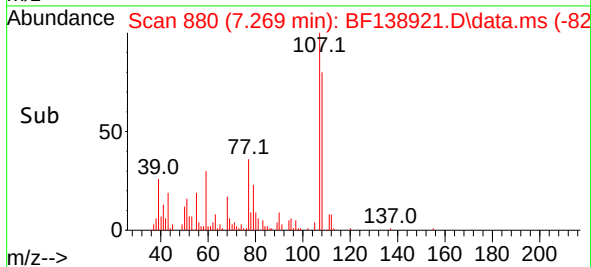
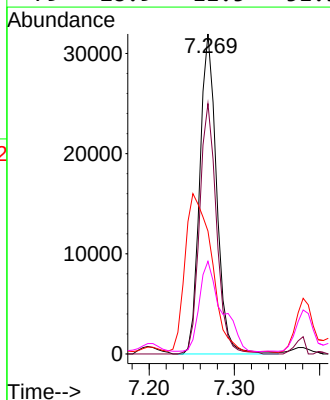
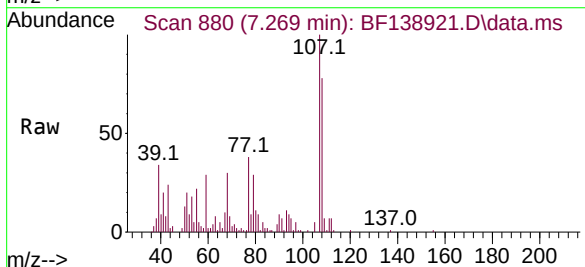
Instrument :
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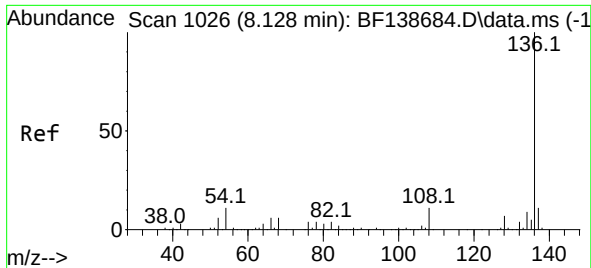
Tgt Ion: 79 Resp: 93978
Ion Ratio Lower Upper
79 100
108 67.8 56.6 85.0
77 63.0 50.3 75.5



#20
3+4-Methylphenols
Concen: 15.415 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion: 107 Resp: 44003
Ion Ratio Lower Upper
107 100
108 78.3 68.2 108.2
77 38.4 132.1 172.1#
79 28.9 11.5 51.5

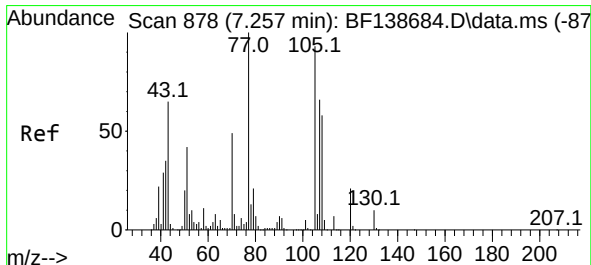
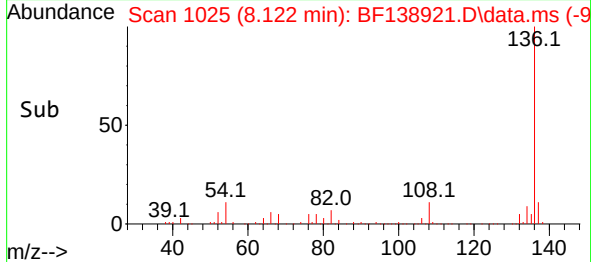
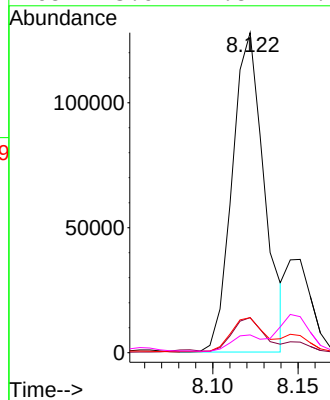
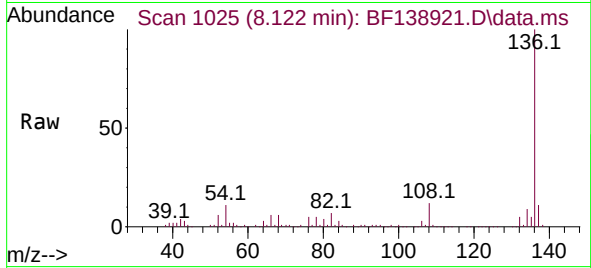




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

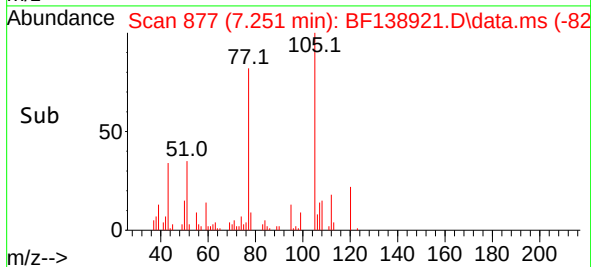
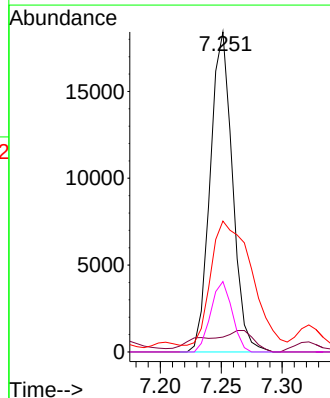
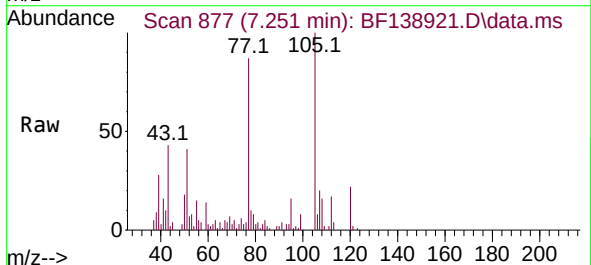
Instrument :
BNA_F
ClientSampleId :
MUL06

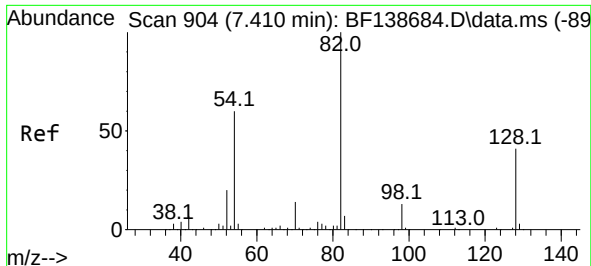
Tgt Ion:136 Resp: 167340
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 11.0 8.6 12.8
68 5.6 4.8 7.2



#22
Acetophenone
Concen: 5.716 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion:105 Resp: 23422
Ion Ratio Lower Upper
105 100
71 4.6 7.2 10.8#
51 40.9 35.9 53.9
120 22.0 17.6 26.4





#23

Nitrobenzene-d5

Concen: 88.590 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138921.D

Acq: 10 Aug 2024 20:54

Instrument :

BNA_F

ClientSampleId :

MUL06

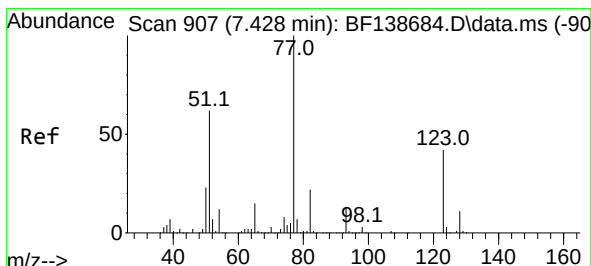
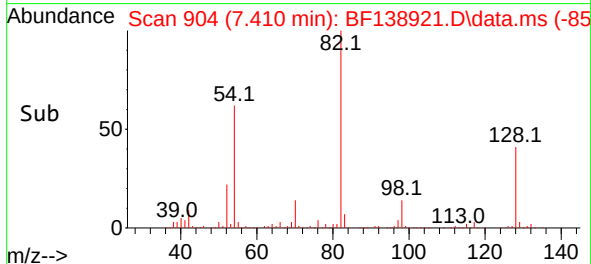
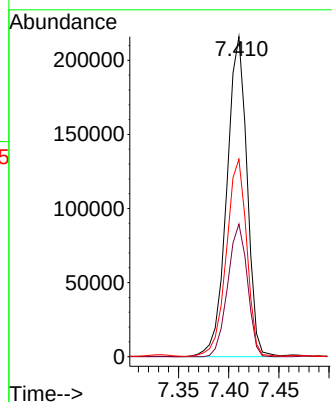
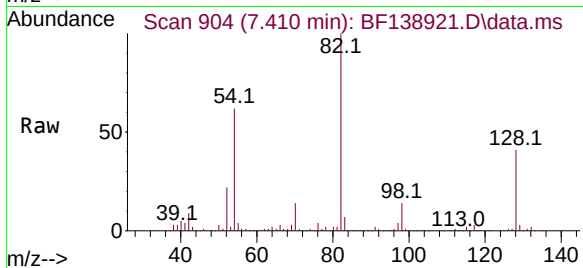
Tgt Ion: 82 Resp: 303216

Ion Ratio Lower Upper

82 100

128 41.4 32.8 49.2

54 61.7 48.3 72.5



#24

Nitrobenzene

Concen: 2.642 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.047 min

Lab File: BF138921.D

Acq: 10 Aug 2024 20:54

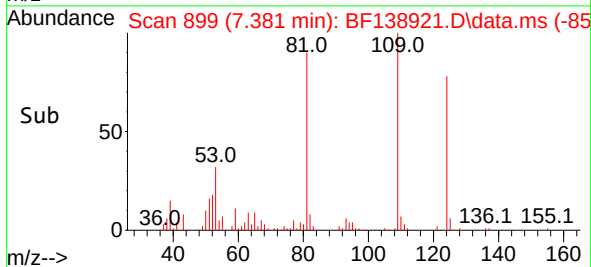
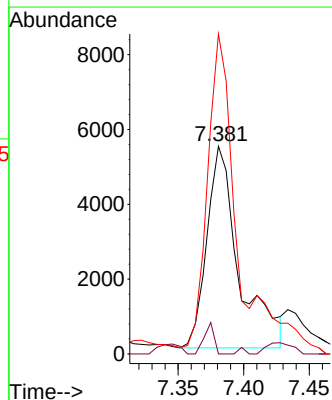
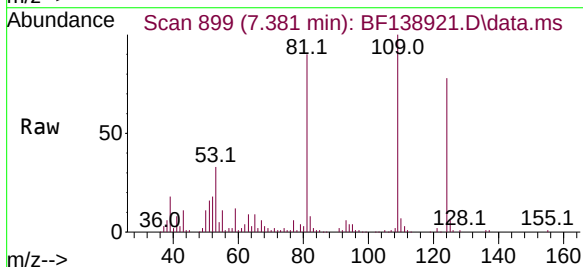
Tgt Ion: 77 Resp: 9202

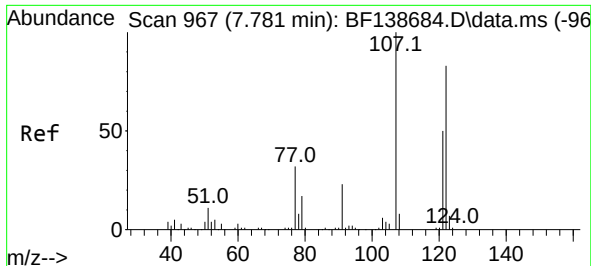
Ion Ratio Lower Upper

77 100

123 0.0 33.3 49.9#

65 154.0 11.9 17.9#

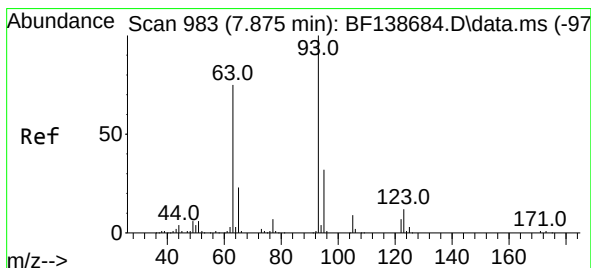
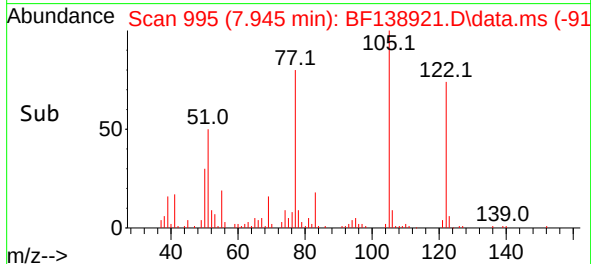
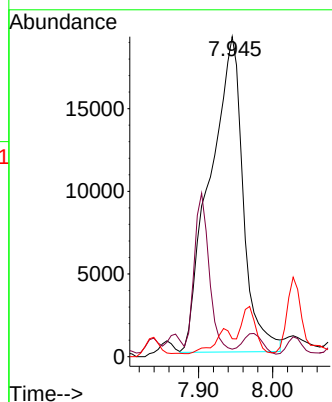
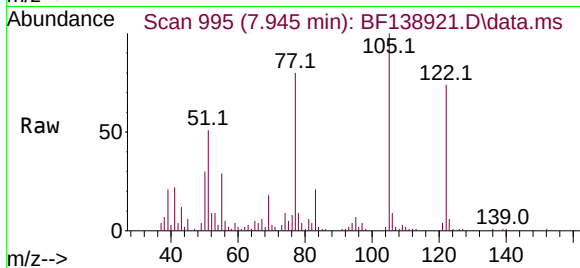




#27
2,4-Dimethylphenol
Concen: 32.961 ng
RT: 7.945 min Scan# 91
Delta R.T. 0.165 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

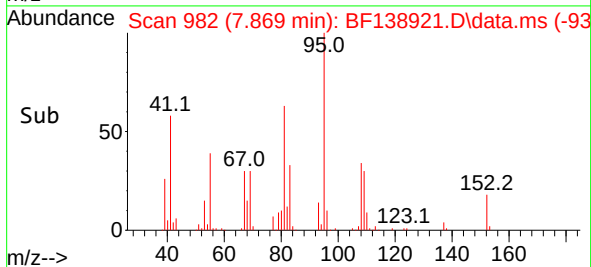
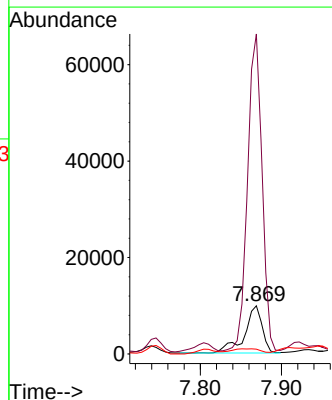
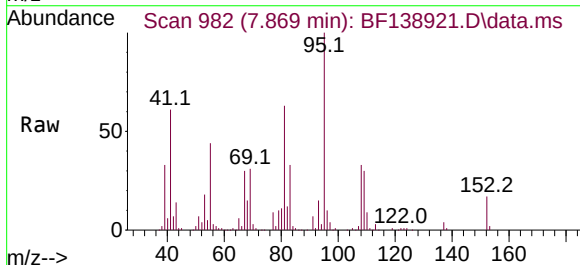
Instrument :
BNA_F
ClientSampleId :
MUL06

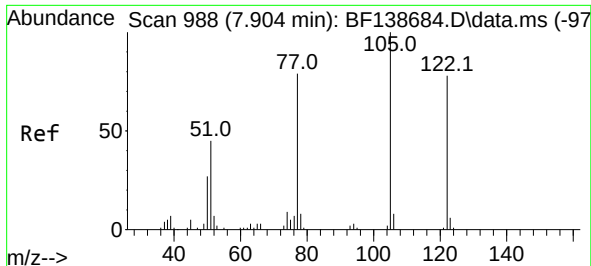
Tgt Ion:122 Resp: 59093
Ion Ratio Lower Upper
122 100
107 2.4 95.0 142.6#
121 5.6 47.3 70.9#



#28
bis(2-Chloroethoxy)methane
Concen: 4.188 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion: 93 Resp: 14904
Ion Ratio Lower Upper
93 100
95 664.7 25.8 38.8#
123 9.9 9.4 14.0

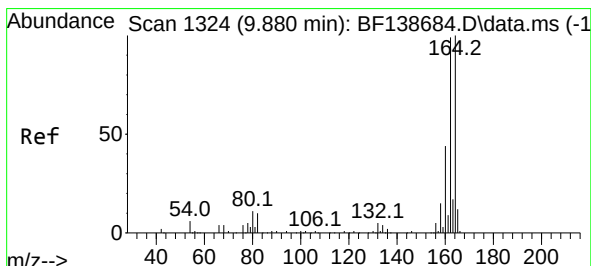
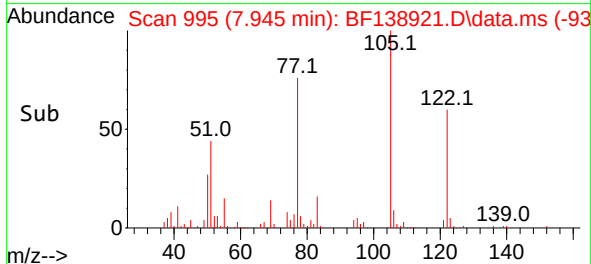
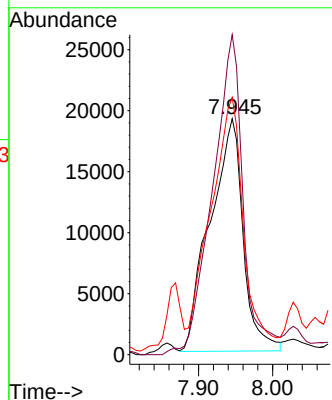
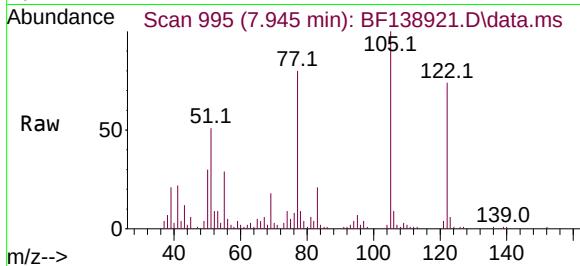




#32
Benzoic acid
Concen: 41.931 ng
RT: 7.945 min Scan# 91
Delta R.T. 0.041 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

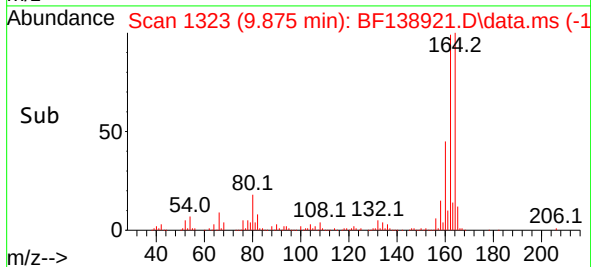
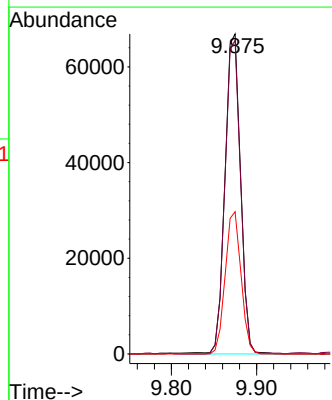
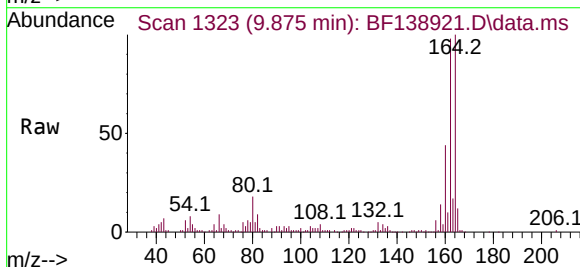
Instrument :
BNA_F
ClientSampleId :
MUL06

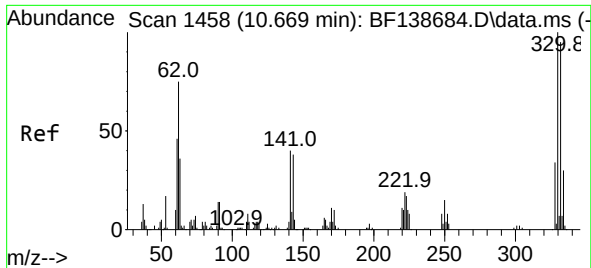
Tgt Ion:122 Resp: 59093
Ion Ratio Lower Upper
122 100
105 135.6 106.7 146.7
77 109.0 81.1 121.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion:164 Resp: 84918
Ion Ratio Lower Upper
164 100
162 98.0 79.4 119.0
160 44.4 35.1 52.7

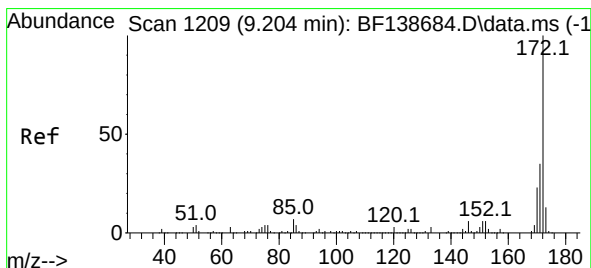
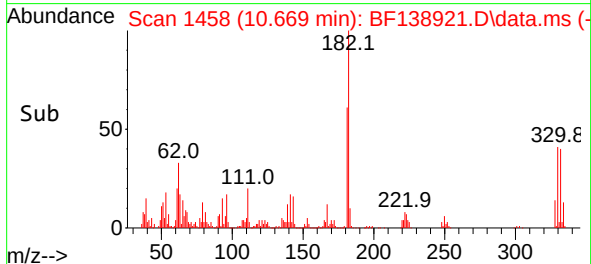
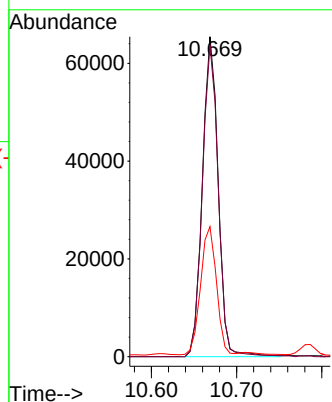
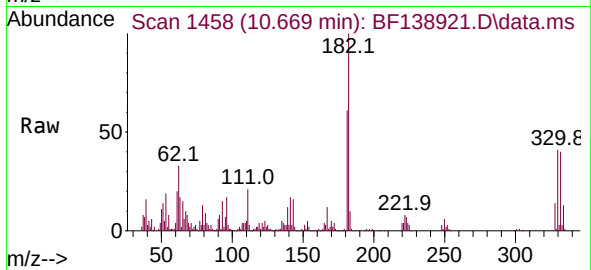




#42
2,4,6-Tribromophenol
Concen: 121.499 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

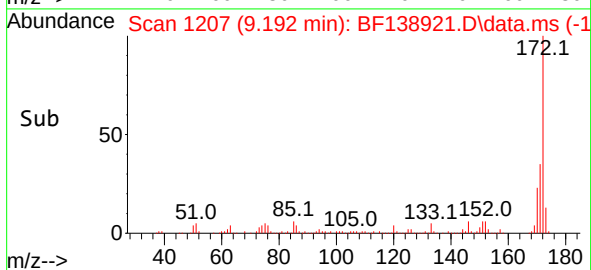
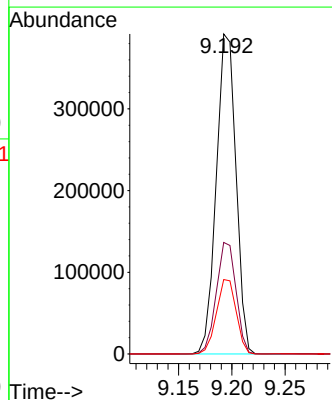
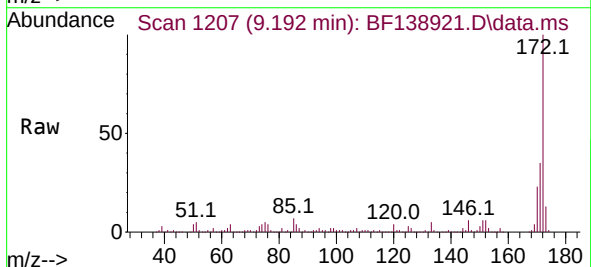
Instrument :
BNA_F
ClientSampleId :
MUL06

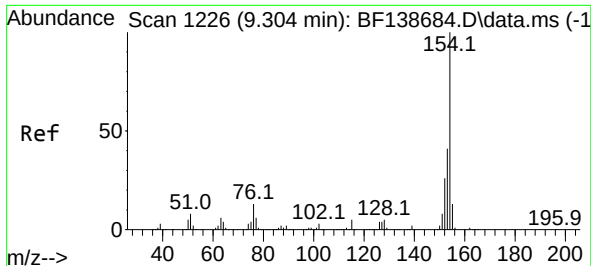
Tgt Ion:330 Resp: 84514
Ion Ratio Lower Upper
330 100
332 97.7 76.4 114.6
141 40.0 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 89.064 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion:172 Resp: 503373
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.2 18.8 28.2

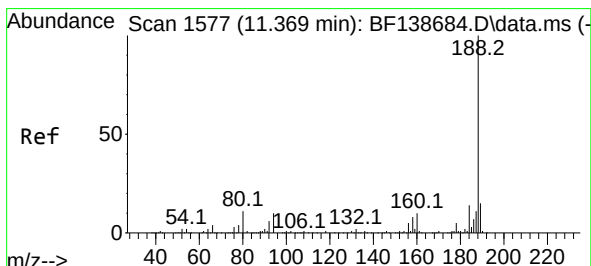
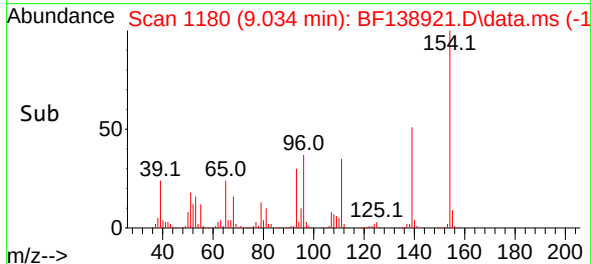
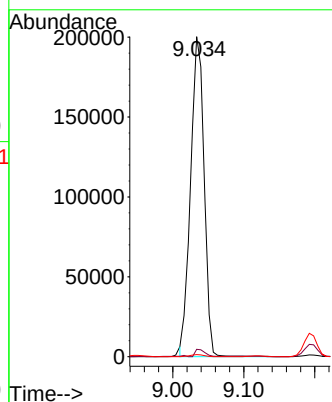
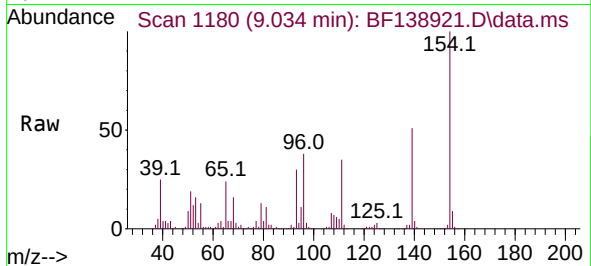




#46
1,1'-Biphenyl
Concen: 39.998 ng
RT: 9.034 min Scan# 11
Delta R.T. -0.271 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

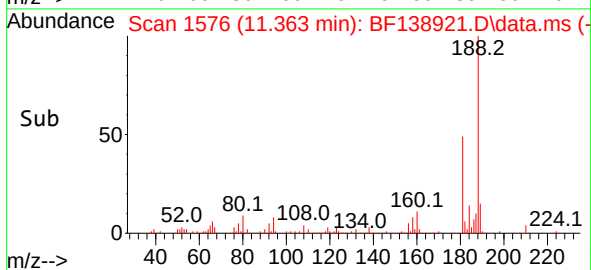
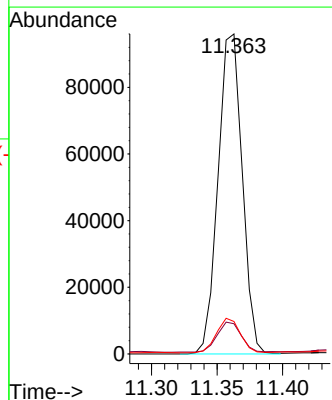
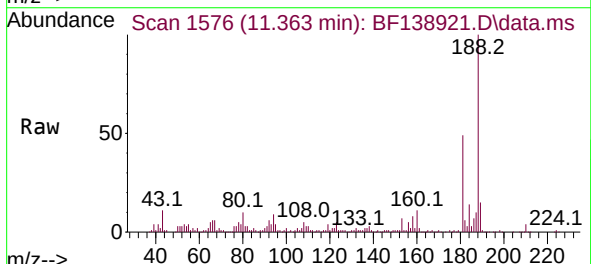
Instrument :
BNA_F
ClientSampleId :
MUL06

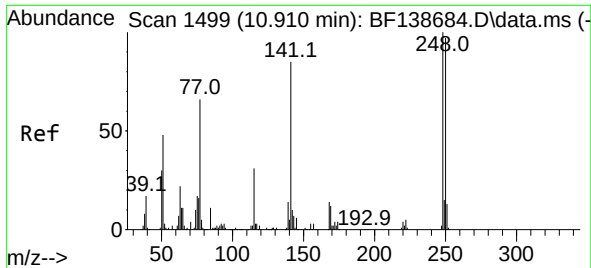
Tgt Ion:154 Resp: 266010
Ion Ratio Lower Upper
154 100
153 2.3 20.8 60.8#
76 0.7 0.0 32.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion:188 Resp: 123030
Ion Ratio Lower Upper
188 100
94 9.5 7.6 11.4
80 10.1 8.6 12.8

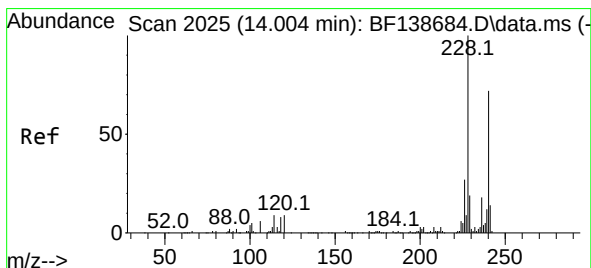
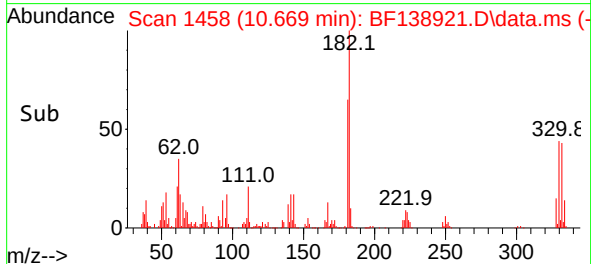
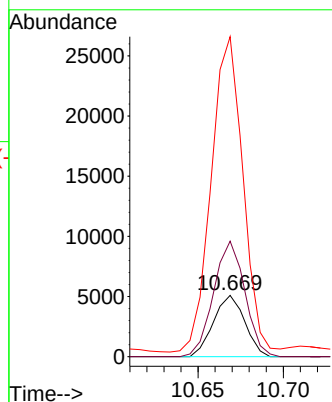
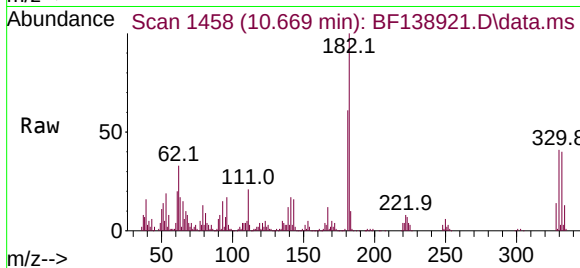




#67
4-Bromophenyl-phenylether
Concen: 4.879 ng
RT: 10.669 min Scan# 1499
Delta R.T. -0.241 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

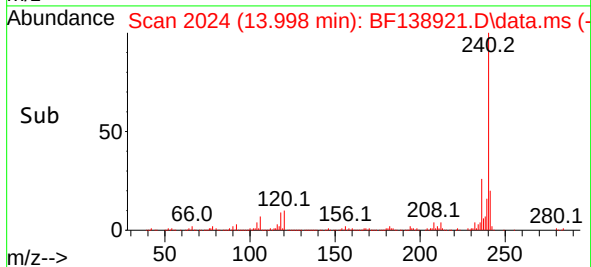
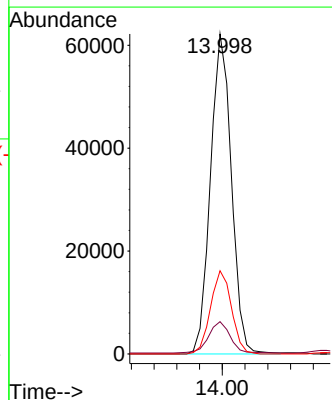
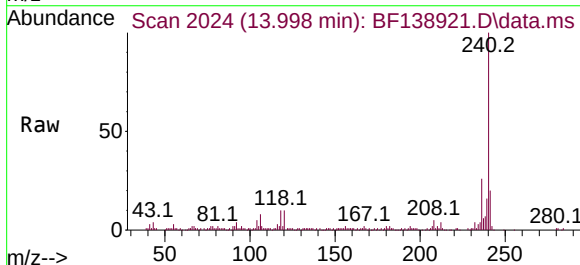
Instrument :
BNA_F
ClientSampleId :
MUL06

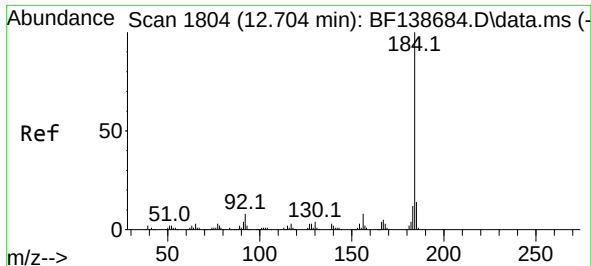
Tgt Ion:248 Resp: 6499
Ion Ratio Lower Upper
248 100
250 188.4 77.7 116.5#
141 521.7 68.0 102.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion:240 Resp: 79597
Ion Ratio Lower Upper
240 100
120 10.1 10.2 15.4#
236 26.0 19.8 29.8

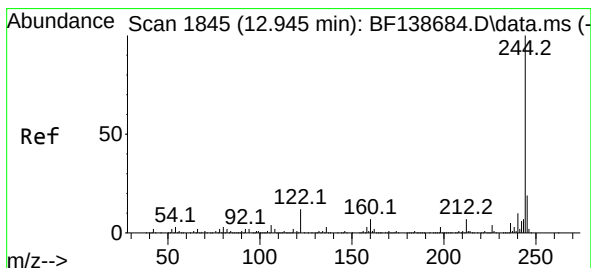
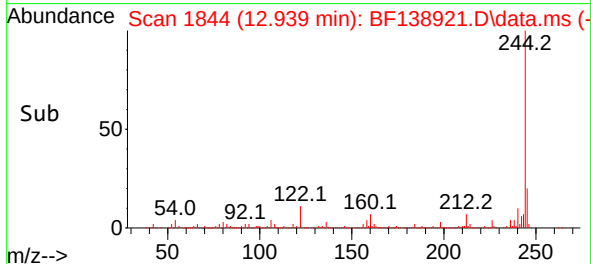
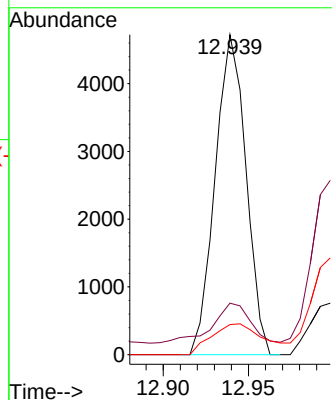
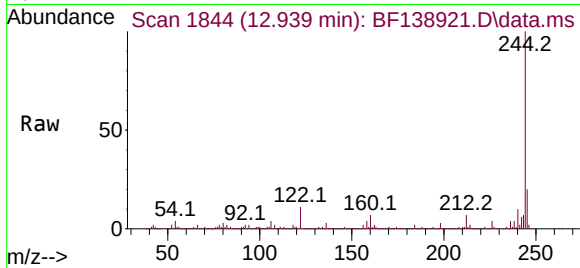




#77
Benzidine
Concen: 3.122 ng
RT: 12.939 min Scan# 1844
Delta R.T. 0.235 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

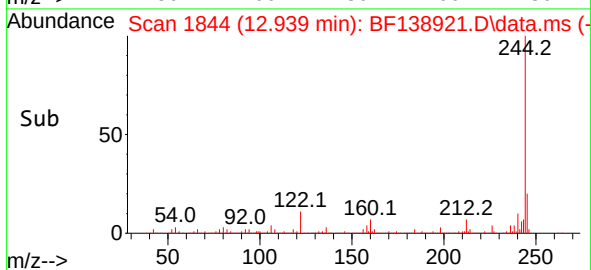
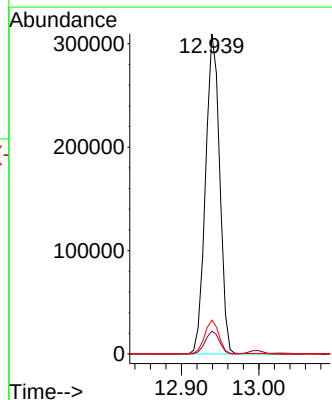
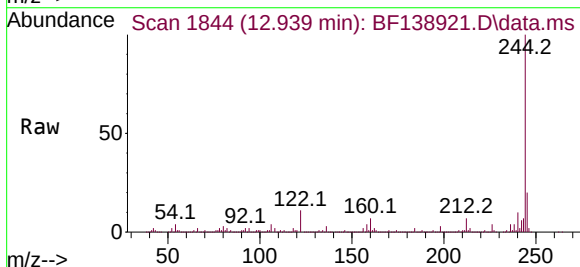
Instrument :
BNA_F
ClientSampleId :
MUL06

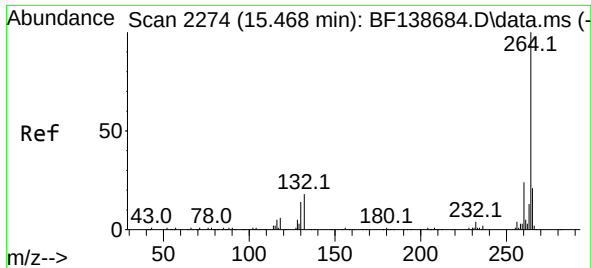
Tgt Ion:184 Resp: 5944
Ion Ratio Lower Upper
184 100
185 16.1 11.1 16.7
183 9.4 9.6 14.4#



#79
Terphenyl-d14
Concen: 82.529 ng
RT: 12.939 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF138921.D
Acq: 10 Aug 2024 20:54

Tgt Ion:244 Resp: 392355
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.6 9.6 14.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138921.D
 Acq: 10 Aug 2024 20:54

Instrument :
 BNA_F
 ClientSampleId :
 MUL06

Tgt Ion:264 Resp: 86978
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 20.9 17.0 25.6

