

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
 Data File : BF139475.D
 Acq On : 19 Sep 2024 20:47
 Operator : RC/JU
 Sample : P4097-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2299

Quant Time: Sep 20 01:39:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

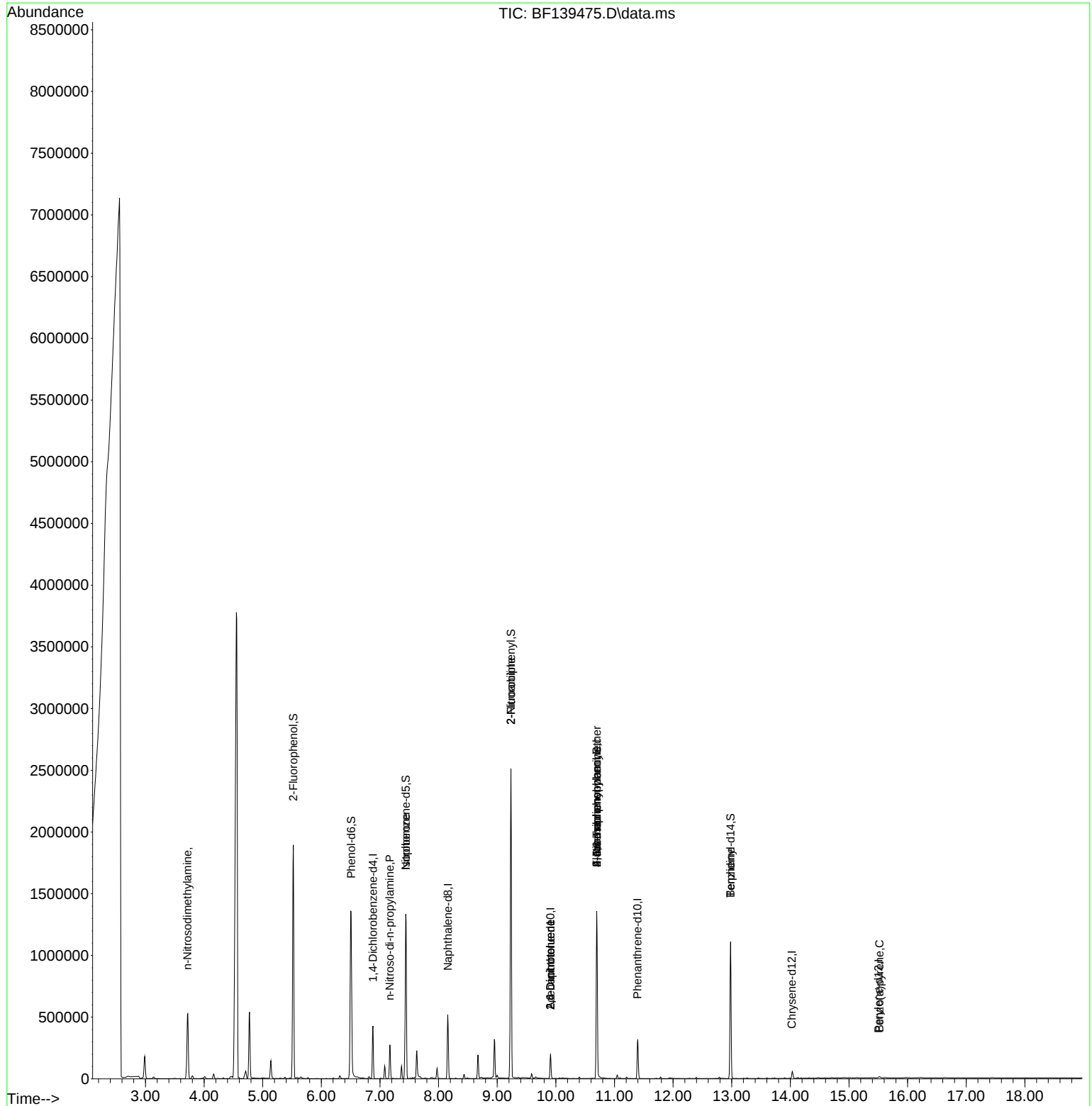
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	82880	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	283304	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	43757	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	111660	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	10609	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	201	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	647856	127.519	ng	0.03
7) Phenol-d6	6.510	99	320792	48.106	ng	0.00
23) Nitrobenzene-d5	7.439	82	609375	101.120	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	211480	453.970	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1091654	349.902	ng	0.00
79) Terphenyl-d14	12.980	244	320874	496.446	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.716	42	16235	4.168	ng	# 5
19) n-Nitroso-di-n-propyla...	7.169	70	16096	4.073	ng	# 42
25) Isophorone	7.439	82	607968	63.791	ng	# 66
48) 2-Nitroaniline	9.233	65	2074	2.215	ng	# 1
51) 2,6-Dinitrotoluene	9.910	165	5569	8.753	ng	# 19
57) 2,4-Dinitrotoluene	9.910	165	5569	6.483	ng	# 21
58) Fluorene	10.698	166	8077	2.686	ng	# 80
66) n-Nitrosodiphenylamine	10.698	169	7444	2.280	ng	# 49
67) 4-Bromophenyl-phenylether	10.698	248	14466	13.073	ng	# 1
77) Benzidine	12.980	184	6121	40.271	ng	# 56
90) Benzo(a)pyrene	15.521	252	170	16.535	ng	# 1

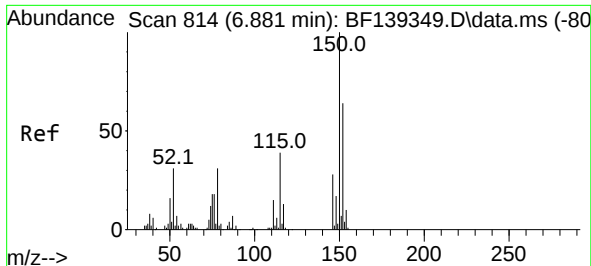
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
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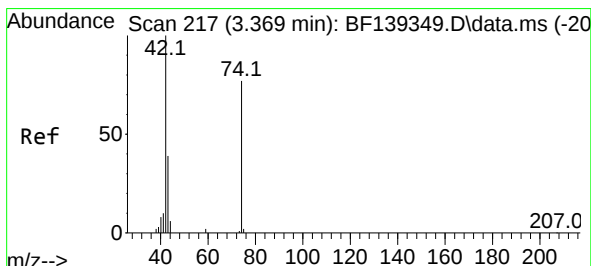
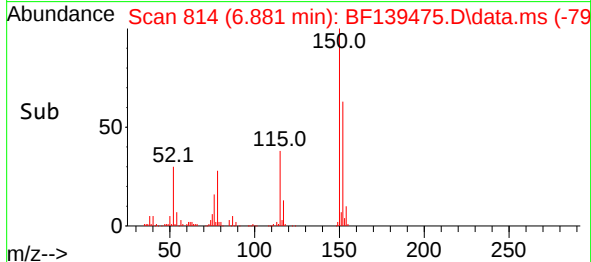
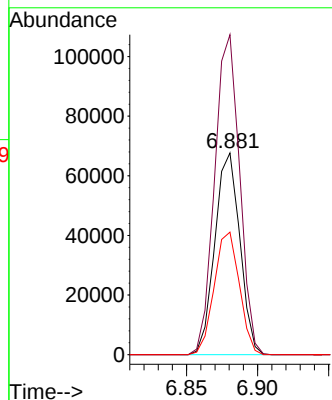
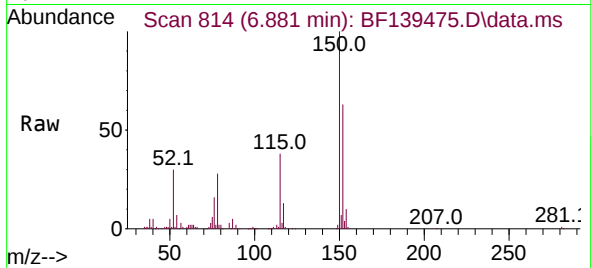




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139475.D
Acq: 19 Sep 2024 20:47

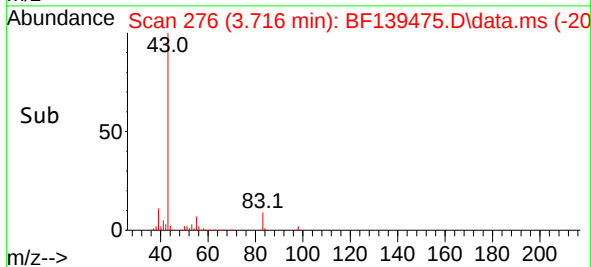
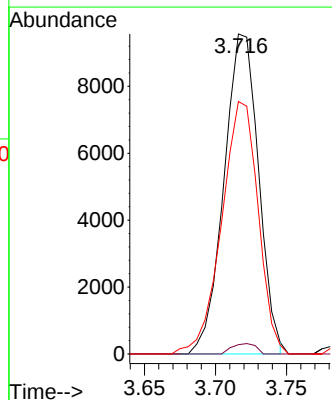
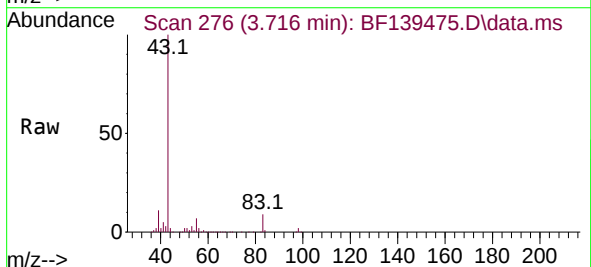
Instrument :
BNA_F
ClientSampleId :
RT2299

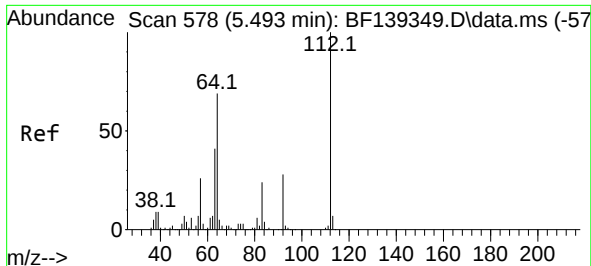
Tgt Ion:152 Resp: 82880
Ion Ratio Lower Upper
152 100
150 158.6 124.1 186.1
115 60.7 48.1 72.1



#4
n-Nitrosodimethylamine
Concen: 4.168 ng
RT: 3.716 min Scan# 276
Delta R.T. 0.347 min
Lab File: BF139475.D
Acq: 19 Sep 2024 20:47

Tgt Ion: 42 Resp: 16235
Ion Ratio Lower Upper
42 100
74 2.9 61.8 92.8#
44 78.9 4.8 7.2#

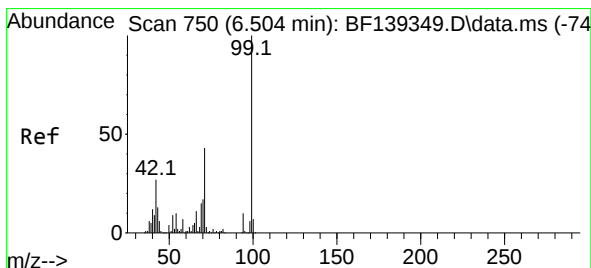
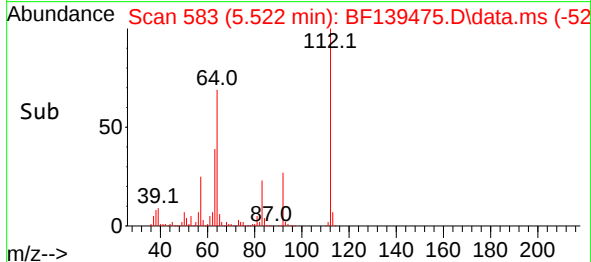
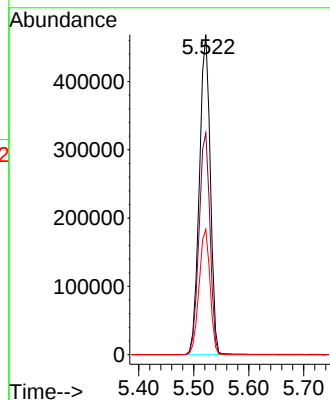
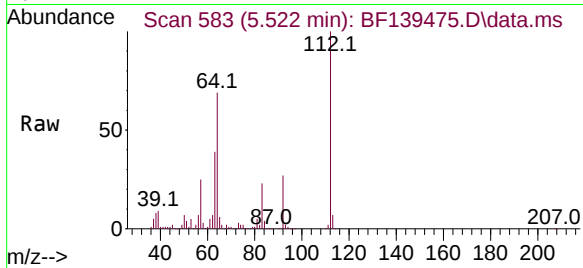




#5
2-Fluorophenol
Concen: 127.519 ng
RT: 5.522 min Scan# 511
Delta R.T. 0.029 min
Lab File: BF139475.D
Acq: 19 Sep 2024 20:47

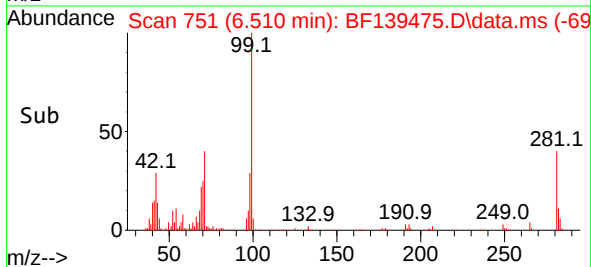
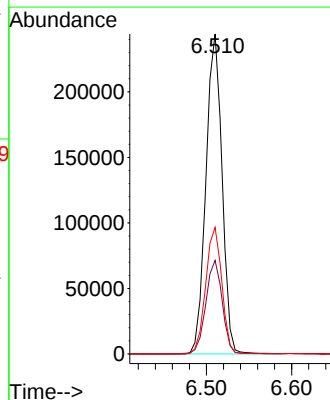
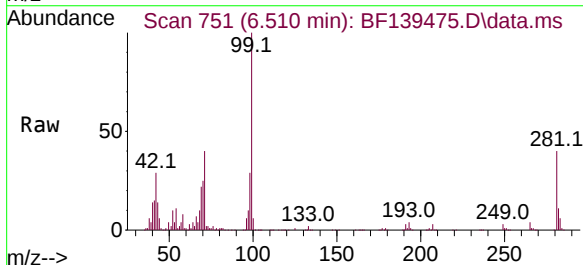
Instrument :
BNA_F
ClientSampleId :
RT2299

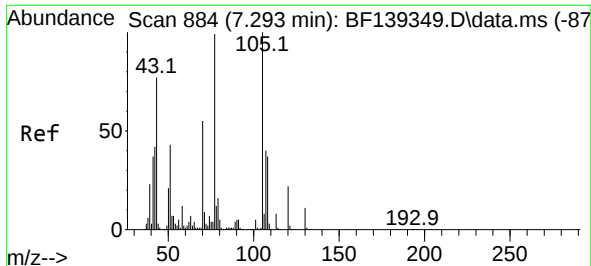
Tgt Ion:112 Resp: 647856
Ion Ratio Lower Upper
112 100
64 69.3 54.8 82.2
63 39.2 33.0 49.4



#7
Phenol-d6
Concen: 48.106 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139475.D
Acq: 19 Sep 2024 20:47

Tgt Ion: 99 Resp: 320792
Ion Ratio Lower Upper
99 100
42 29.3 21.9 32.9
71 39.5 34.6 52.0

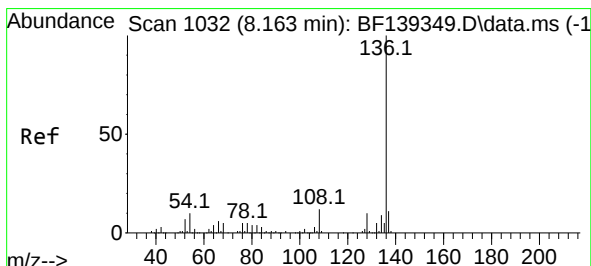
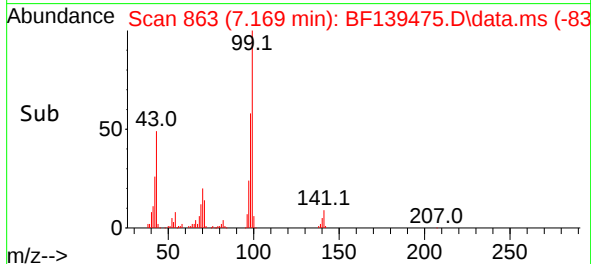
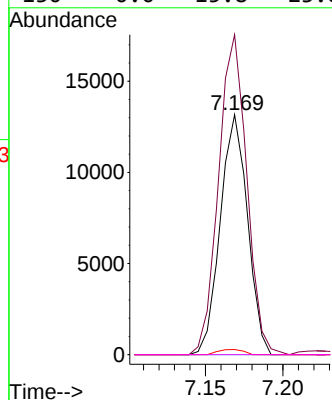
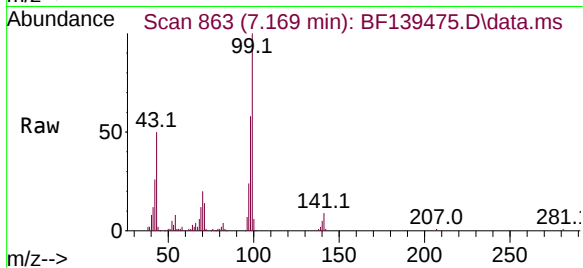




#19
n-Nitroso-di-n-propylamine
Concen: 4.073 ng
RT: 7.169 min Scan# 80
Delta R.T. -0.124 min
Lab File: BF139475.D
Acq: 19 Sep 2024 20:47

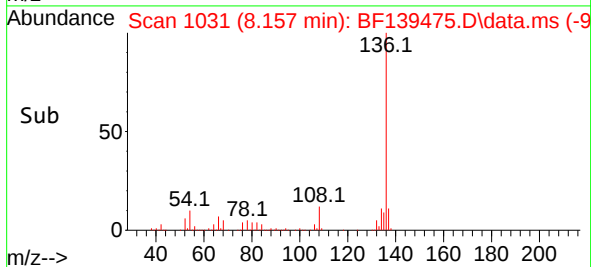
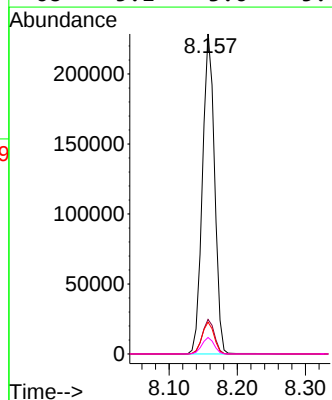
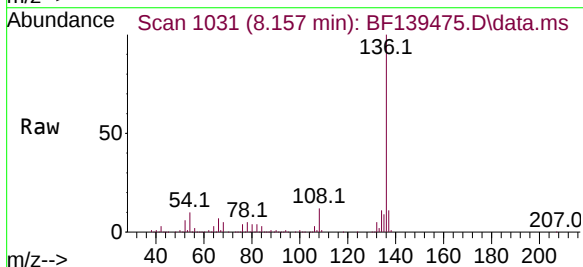
Instrument :
BNA_F
ClientSampleId :
RT2299

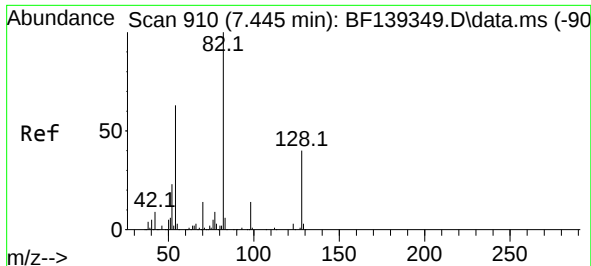
Tgt Ion: 70 Resp: 16096
Ion Ratio Lower Upper
70 100
42 133.3 61.2 91.8#
101 2.2 7.5 11.3#
130 0.0 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139475.D
Acq: 19 Sep 2024 20:47

Tgt Ion: 136 Resp: 283304
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.9 7.8 11.8
68 5.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 101.120 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

Instrument :

BNA_F

ClientSampleId :

RT2299

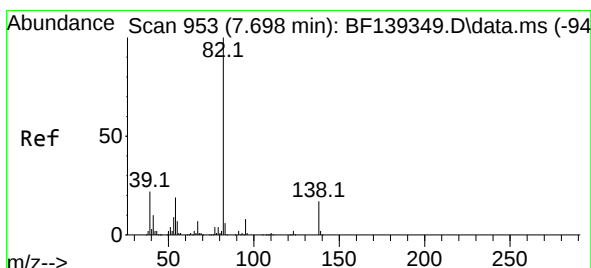
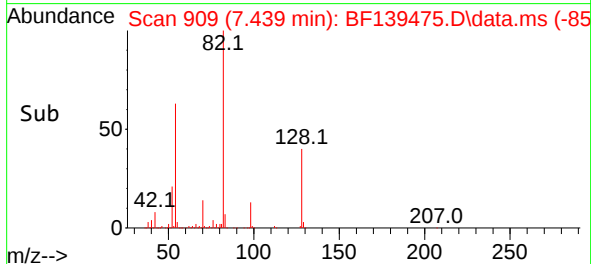
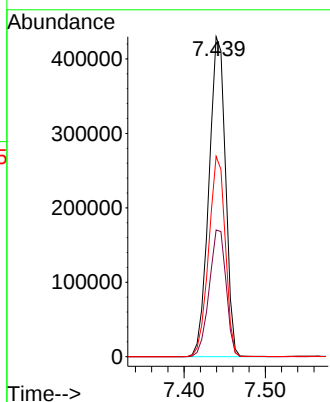
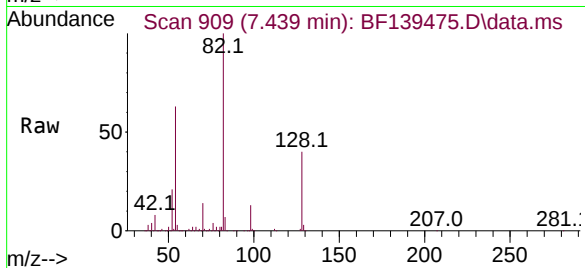
Tgt Ion: 82 Resp: 609375

Ion Ratio Lower Upper

82 100

128 39.6 31.8 47.6

54 62.6 50.6 75.8



#25

Isophorone

Concen: 63.791 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.259 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

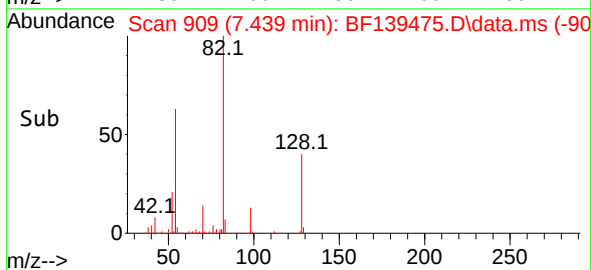
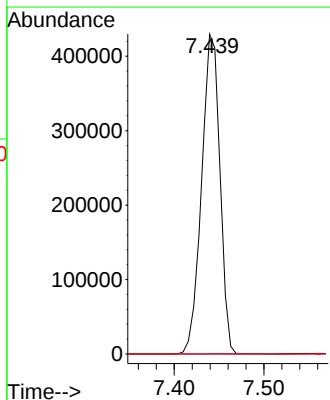
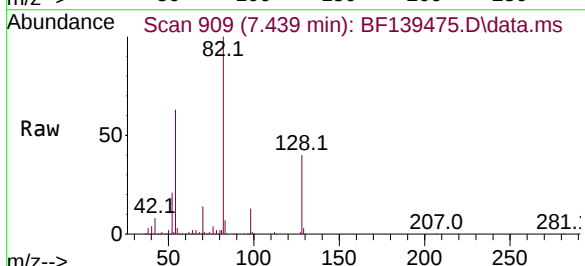
Tgt Ion: 82 Resp: 607968

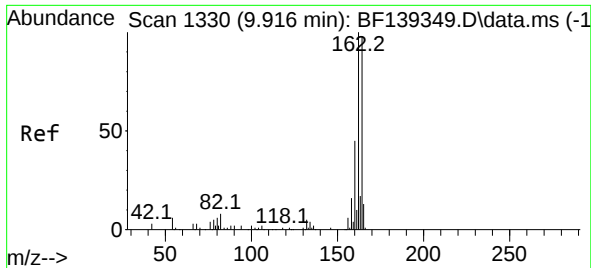
Ion Ratio Lower Upper

82 100

95 0.0 6.7 10.1#

138 0.0 13.3 19.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

Instrument :

BNA_F

ClientSampleId :

RT2299

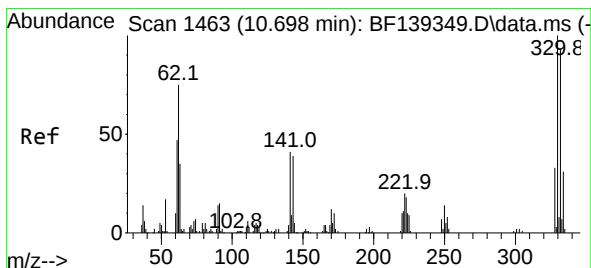
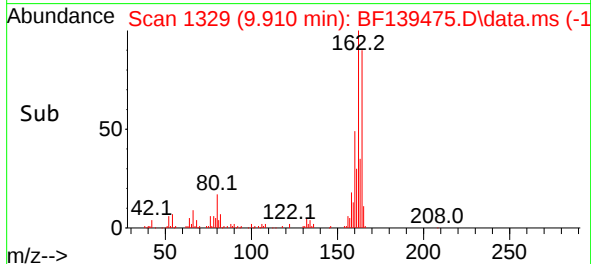
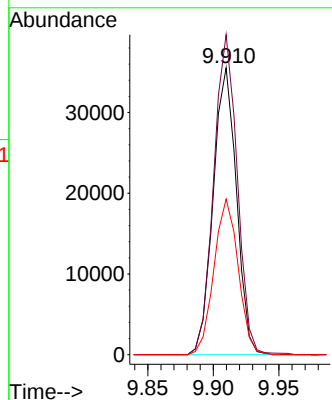
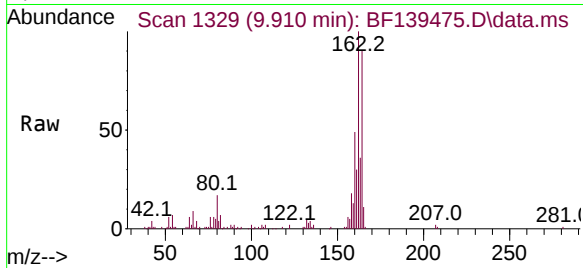
Tgt Ion:164 Resp: 43757

Ion Ratio Lower Upper

164 100

162 111.5 81.3 121.9

160 54.2 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 453.970 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

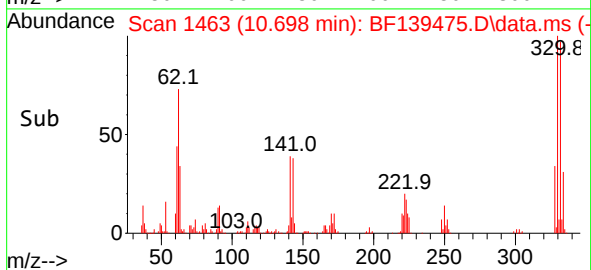
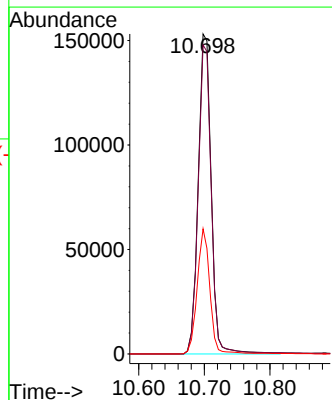
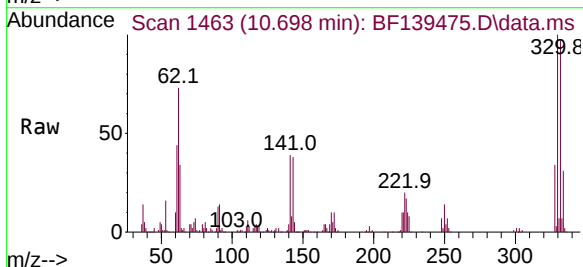
Tgt Ion:330 Resp: 211480

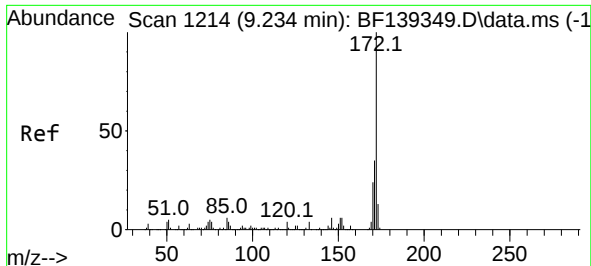
Ion Ratio Lower Upper

330 100

332 97.6 75.2 112.8

141 38.1 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 349.902 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

Instrument :

BNA_F

ClientSampleId :

RT2299

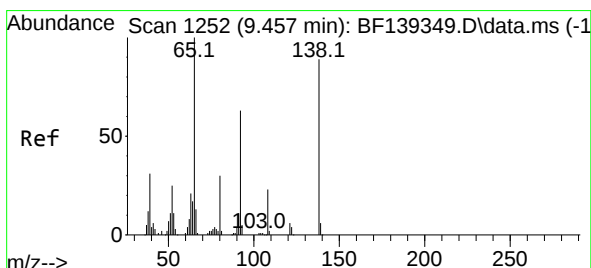
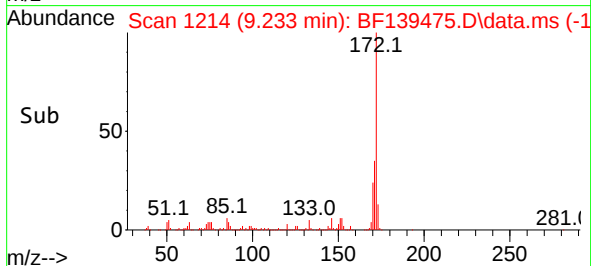
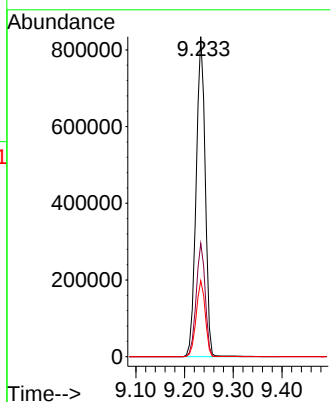
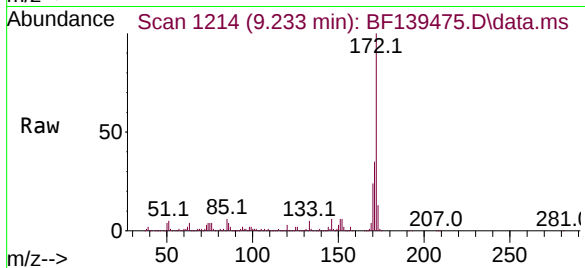
Tgt Ion:172 Resp: 1091654

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.8 19.0 28.6



#48

2-Nitroaniline

Concen: 2.215 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.224 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

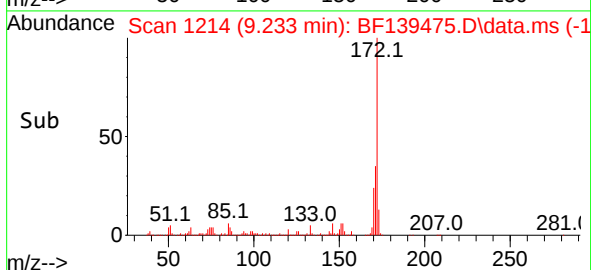
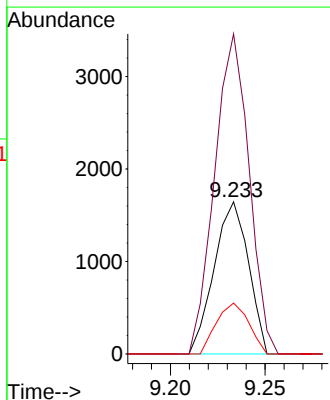
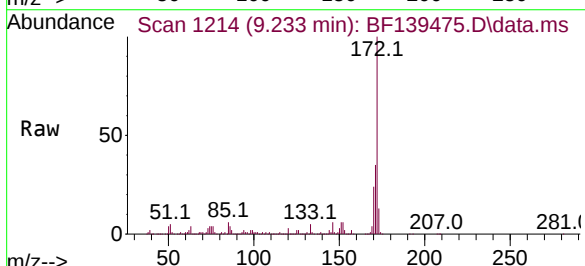
Tgt Ion: 65 Resp: 2074

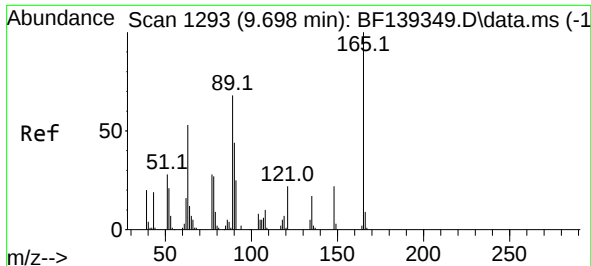
Ion Ratio Lower Upper

65 100

92 210.4 50.3 75.5#

138 33.5 71.3 106.9#





#51

2,6-Dinitrotoluene

Concen: 8.753 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

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RT2299

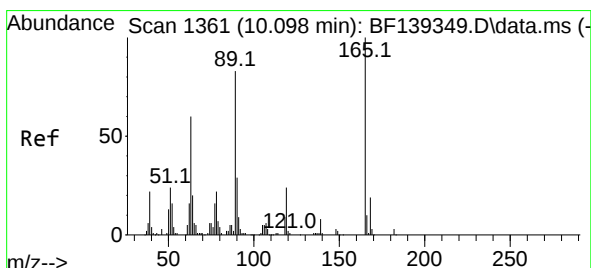
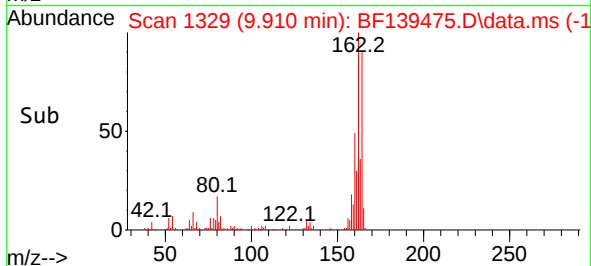
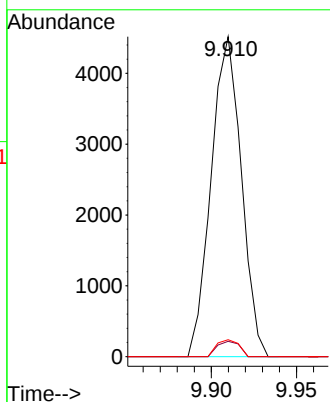
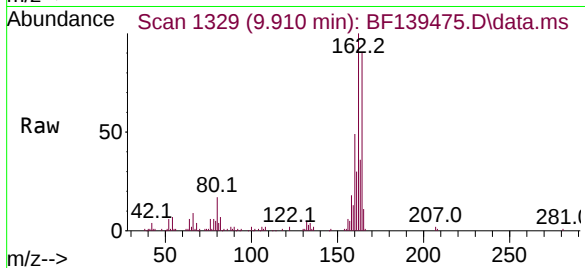
Tgt Ion:165 Resp: 5569

Ion Ratio Lower Upper

165 100

63 4.8 60.9 91.3#

89 5.3 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.483 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

Tgt Ion:165 Resp: 5569

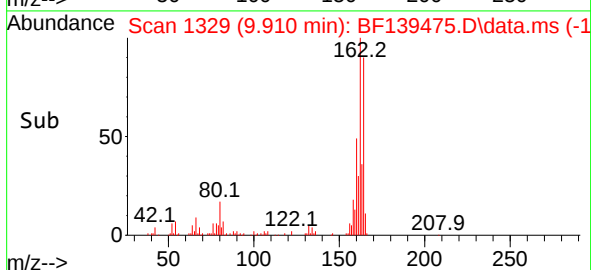
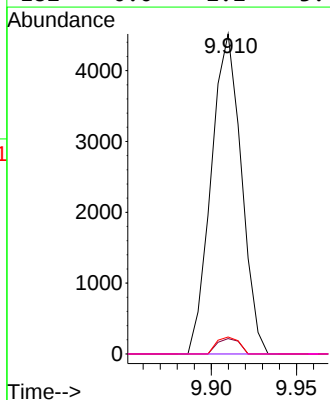
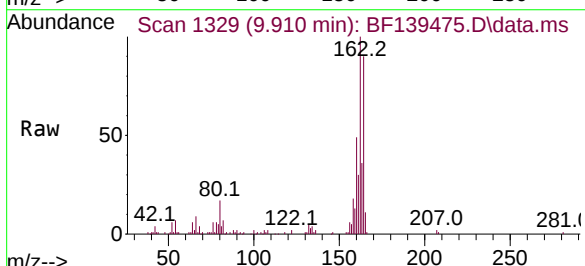
Ion Ratio Lower Upper

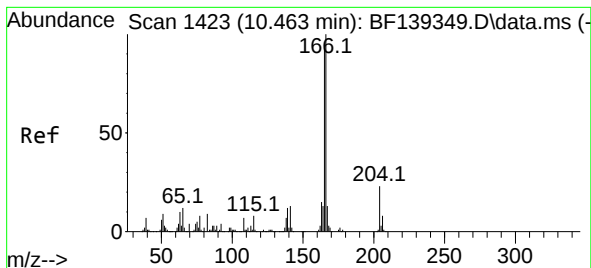
165 100

63 4.8 47.8 71.6#

89 5.3 66.7 100.1#

182 0.0 2.2 3.4#





#58

Fluorene

Concen: 2.686 ng

RT: 10.698 min Scan# 14

Delta R.T. 0.235 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

Instrument :

BNA_F

ClientSampleId :

RT2299

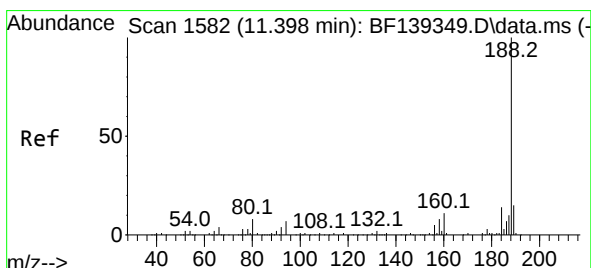
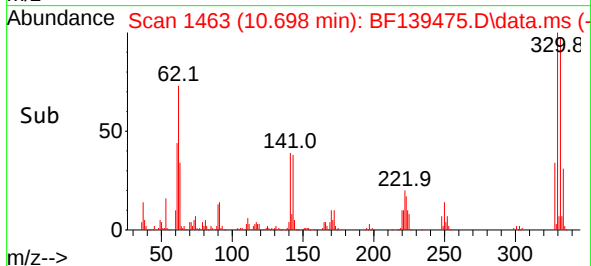
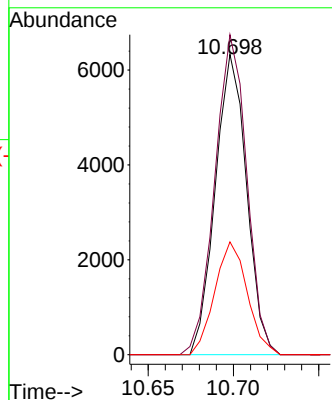
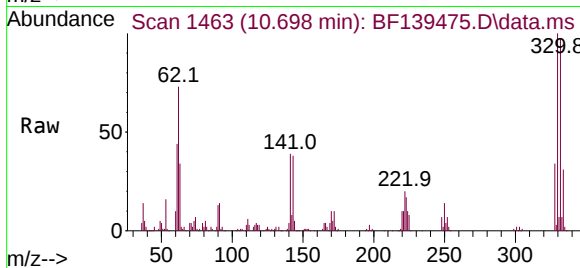
Tgt Ion:166 Resp: 8077

Ion Ratio Lower Upper

166 100

165 106.6 74.5 111.7

167 37.6 10.6 16.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

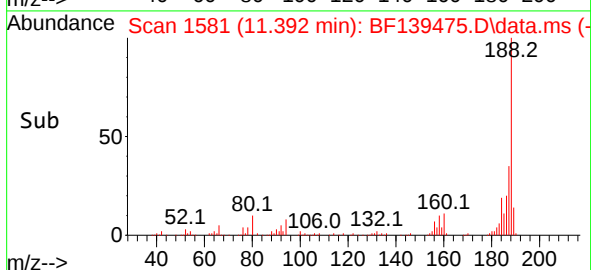
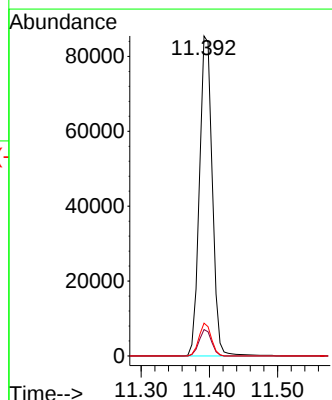
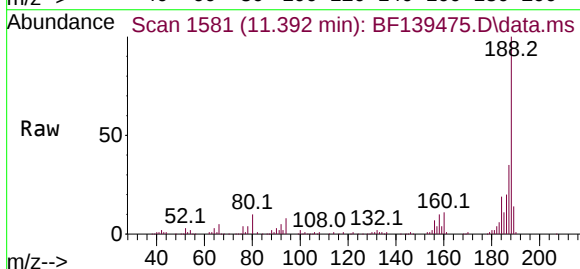
Tgt Ion:188 Resp: 111660

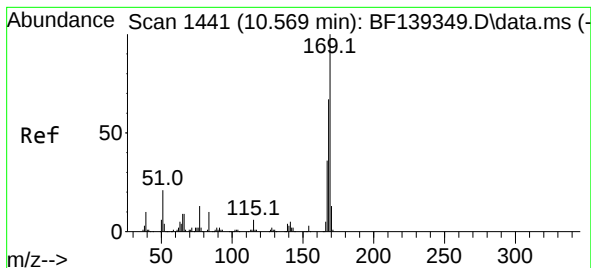
Ion Ratio Lower Upper

188 100

94 8.3 5.5 8.3

80 10.3 6.6 9.8#





#66

n-Nitrosodiphenylamine

Concen: 2.280 ng

RT: 10.698 min Scan# 1463

Delta R.T. 0.129 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

Instrument :

BNA_F

ClientSampleId :

RT2299

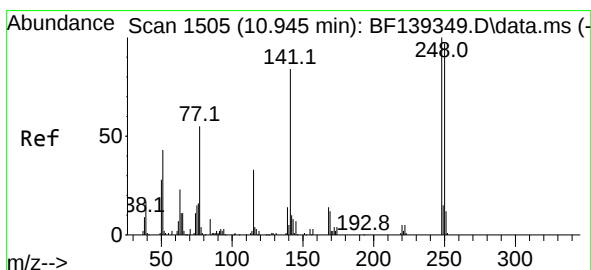
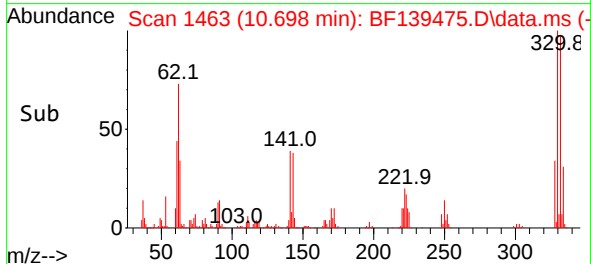
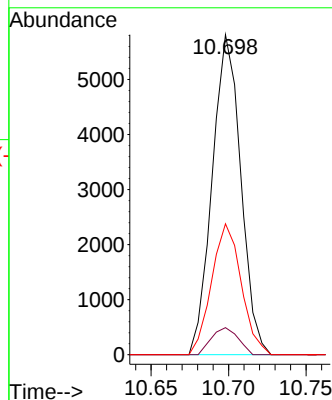
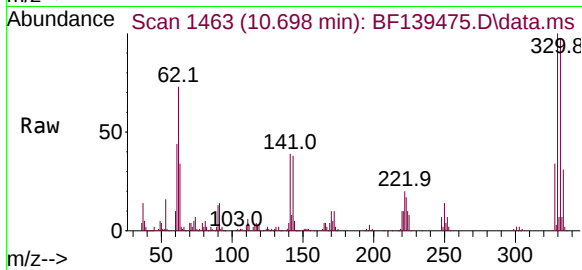
Tgt Ion:169 Resp: 7444

Ion Ratio Lower Upper

169 100

168 8.5 53.6 80.4#

167 40.9 28.7 43.1



#67

4-Bromophenyl-phenylether

Concen: 13.073 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

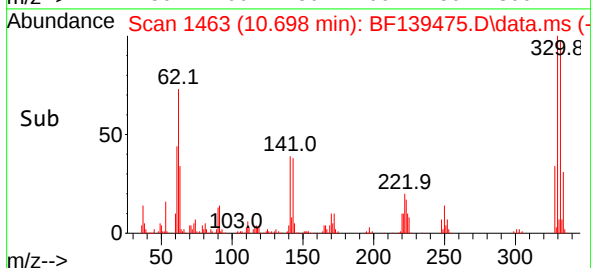
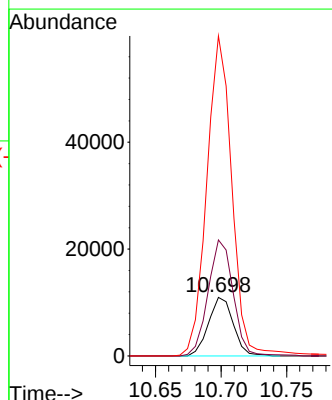
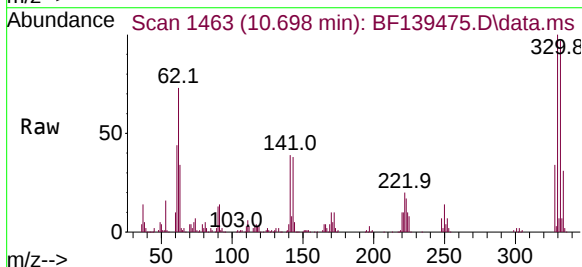
Tgt Ion:248 Resp: 14466

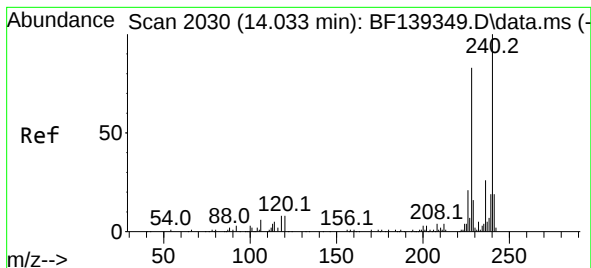
Ion Ratio Lower Upper

248 100

250 197.7 77.6 116.4#

141 545.8 66.9 100.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

Instrument :

BNA_F

ClientSampleId :

RT2299

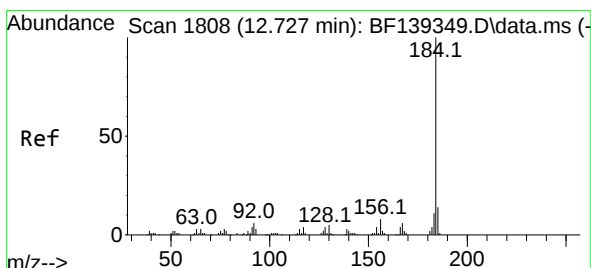
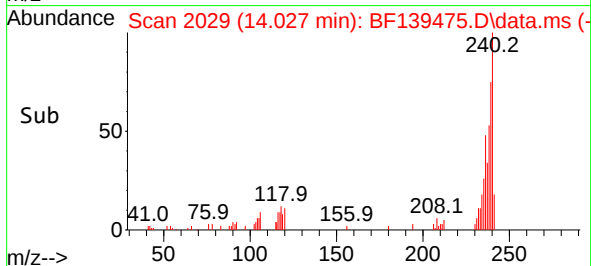
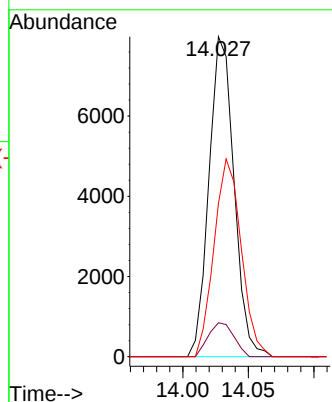
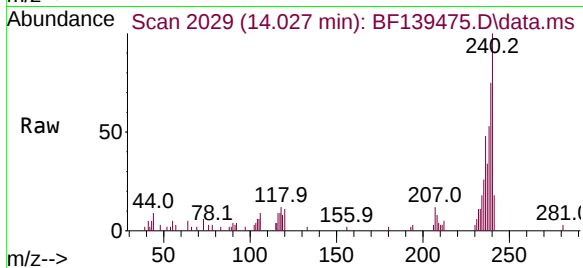
Tgt Ion:240 Resp: 10609

Ion Ratio Lower Upper

240 100

120 10.6 6.2 9.2#

236 47.9 20.9 31.3#



#77

Benzidine

Concen: 40.271 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

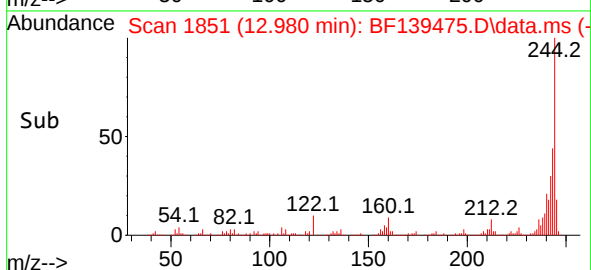
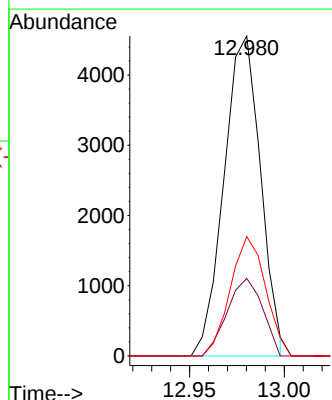
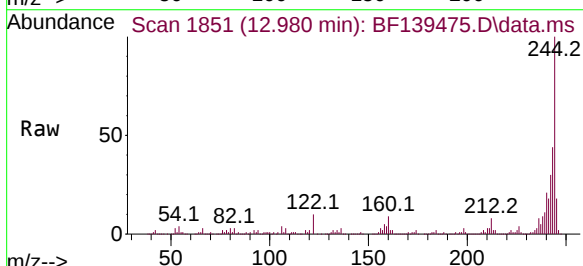
Tgt Ion:184 Resp: 6121

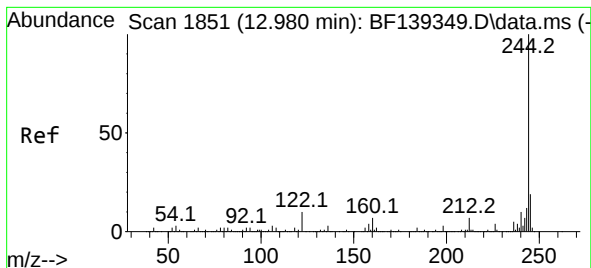
Ion Ratio Lower Upper

184 100

185 24.3 11.5 17.3#

183 37.3 8.9 13.3#





#79

Terphenyl-d14

Concen: 496.446 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139475.D

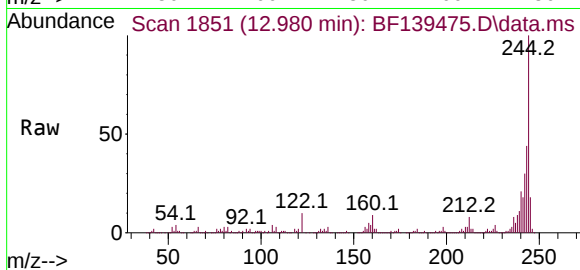
Acq: 19 Sep 2024 20:47

Instrument :

BNA_F

ClientSampleId :

RT2299



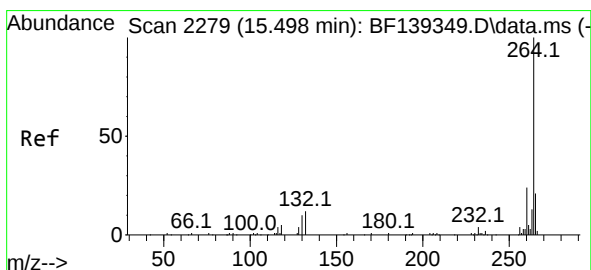
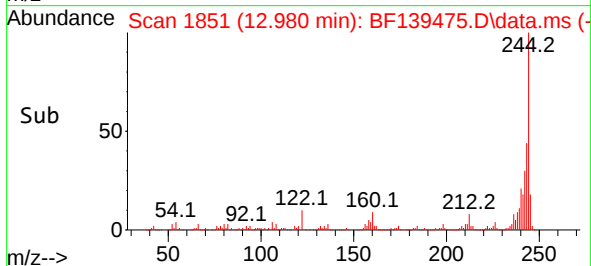
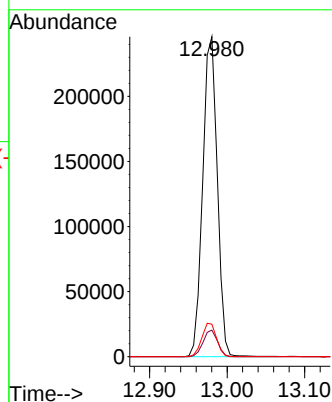
Tgt Ion:244 Resp: 320874

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

122 10.2 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF139475.D

Acq: 19 Sep 2024 20:47

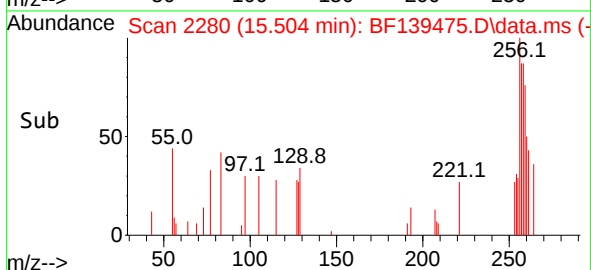
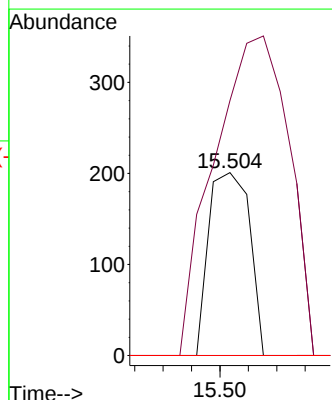
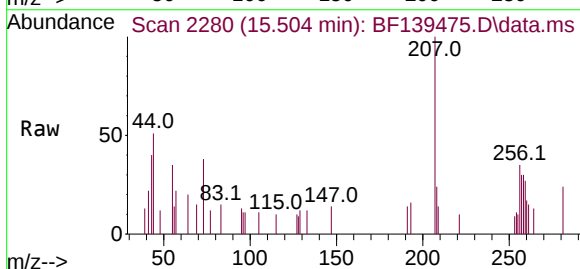
Tgt Ion:264 Resp: 201

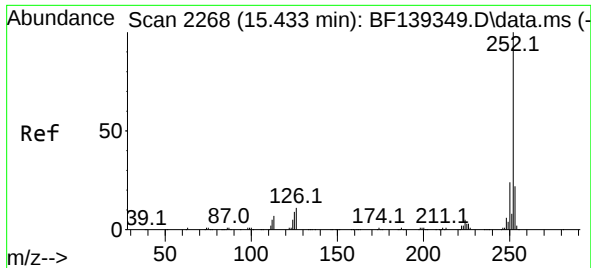
Ion Ratio Lower Upper

264 100

260 139.3 19.5 29.3#

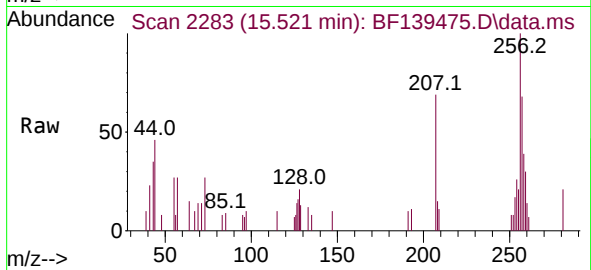
265 0.0 16.6 25.0#





#90
Benzo(a)pyrene
Concen: 16.535 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.088 min
Lab File: BF139475.D
Acq: 19 Sep 2024 20:47

Instrument :
BNA_F
ClientSampleId :
RT2299



Tgt Ion:252 Resp: 170
Ion Ratio Lower Upper
252 100
253 215.7 17.3 25.9#
125 91.6 6.8 10.2#

