

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110223\
 Data File : BF136110.D
 Acq On : 02 Nov 2023 22:37
 Operator : CG\JU
 Sample : 05049-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3

Quant Time: Nov 02 23:08:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

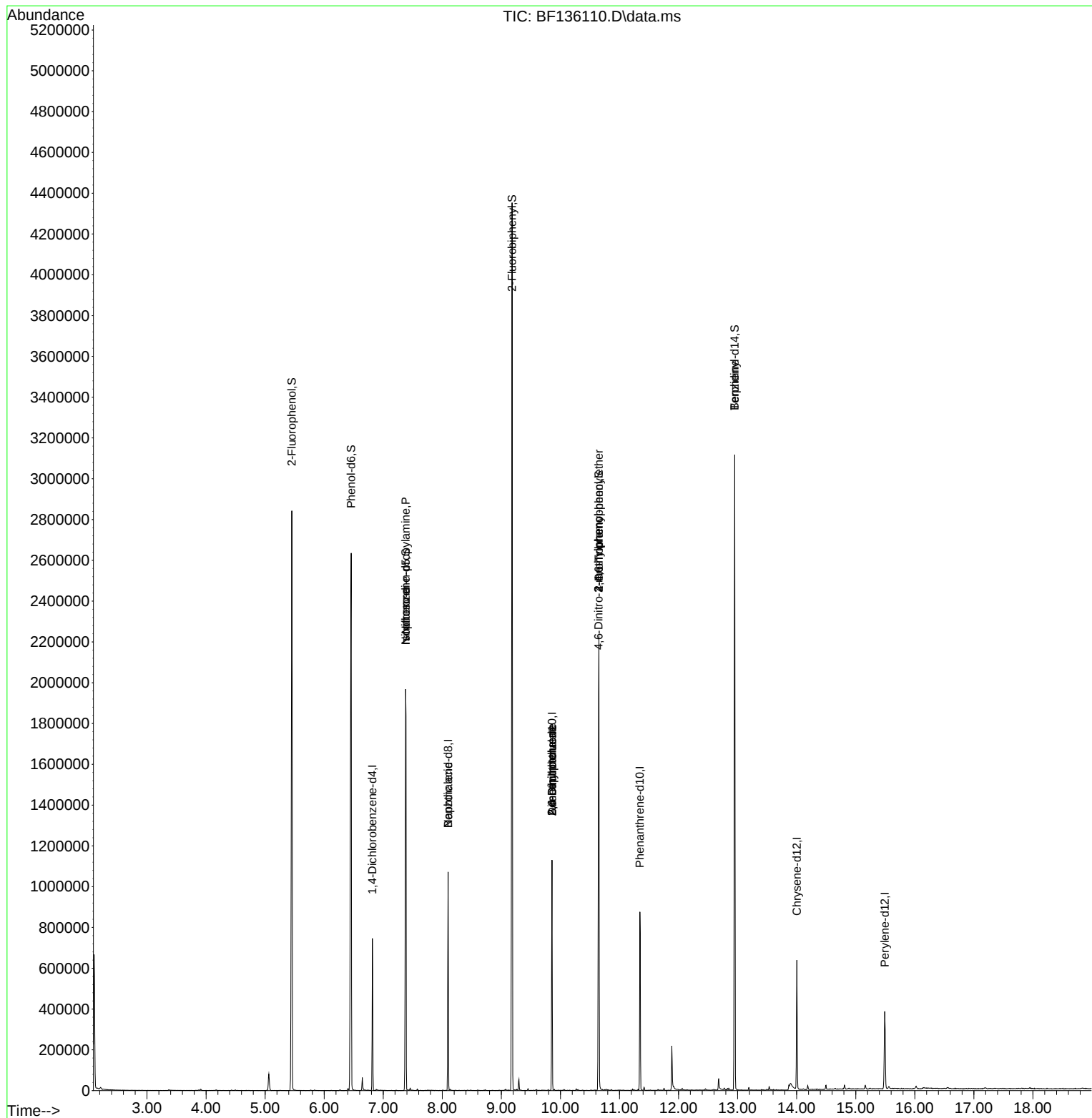
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	100876	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	398512	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	199105	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	321606	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	199428	20.000	ng	-0.01
86) Perylene-d12	15.492	264	171781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	877574	136.705	ng	0.00
7) Phenol-d6	6.457	99	1077334	134.696	ng	0.00
23) Nitrobenzene-d5	7.381	82	688359	104.127	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	279732	131.626	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1238145	99.130	ng	0.00
79) Terphenyl-d14	12.951	244	1079561	84.124	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	93287	20.413	ng	# 78
25) Isophorone	7.381	82	688344	55.154	ng	# 64
32) Benzoic acid	8.098	122	75	5.129	ng	# 1
50) Dimethylphthalate	9.857	163	41047	3.125	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	25165	8.959	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	25165	7.081	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	557	6.068	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	18246	5.411	ng	# 1
77) Benzidine	12.951	184	13598	3.498	ng	# 93

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

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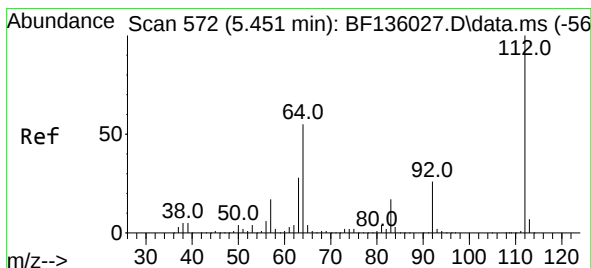
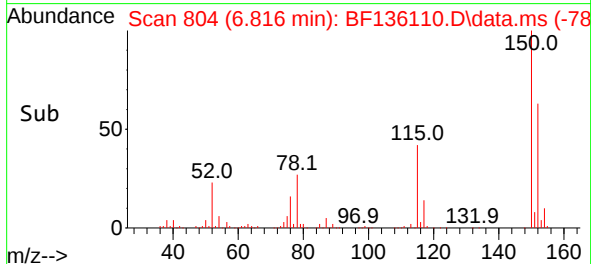
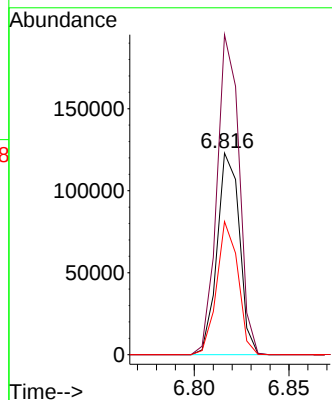
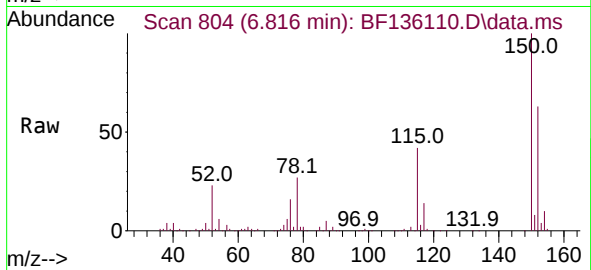




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

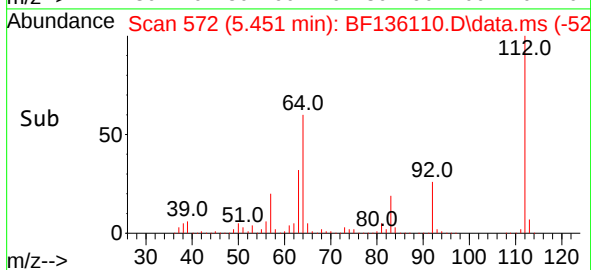
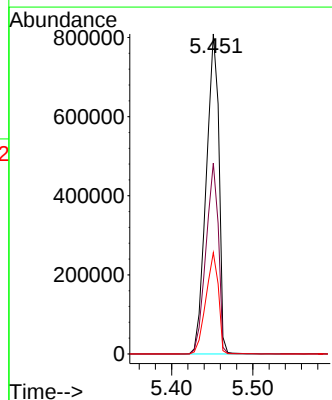
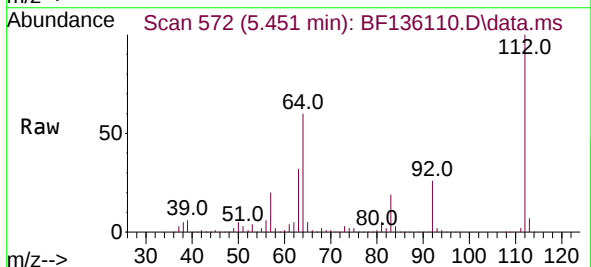
Instrument :
BNA_F
ClientSampleId :
B3

Tgt Ion:152 Resp: 100876
Ion Ratio Lower Upper
152 100
150 158.7 126.4 189.6
115 66.1 47.0 70.4



#5
2-Fluorophenol
Concen: 136.705 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Tgt Ion:112 Resp: 877574
Ion Ratio Lower Upper
112 100
64 59.7 43.9 65.9
63 31.7 22.4 33.6



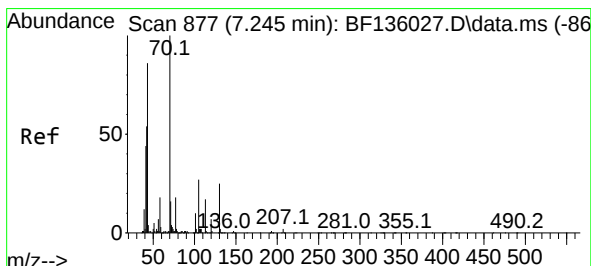
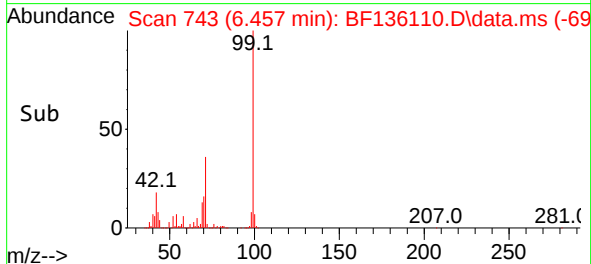
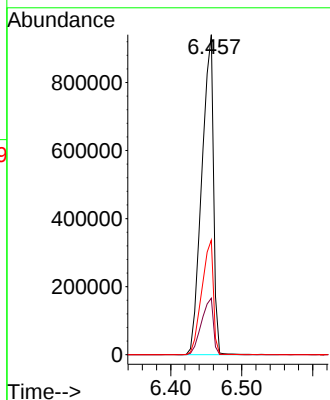
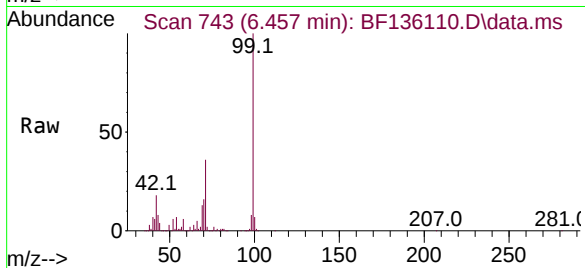


#7
Phenol-d6
Concen: 134.696 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Instrument :
BNA_F
ClientSampleId :
B3

Tgt Ion: 99 Resp: 1077334

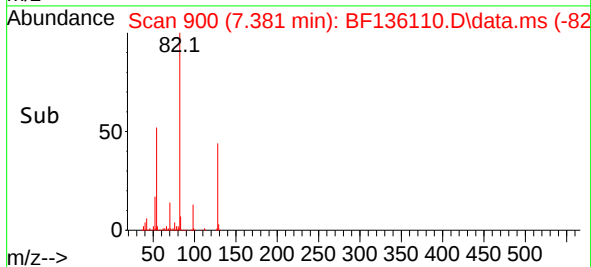
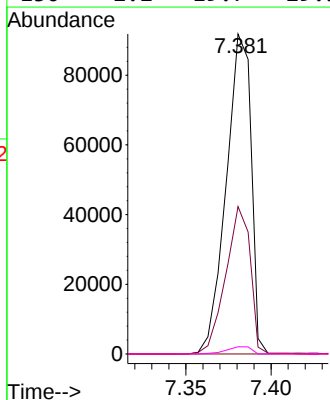
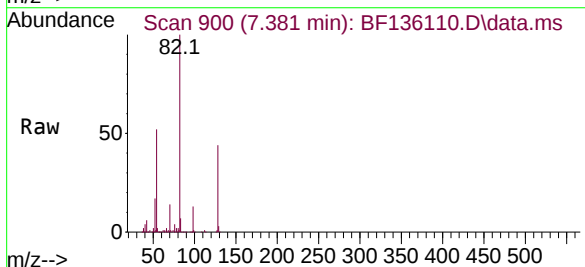
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	35.8	25.9	38.9

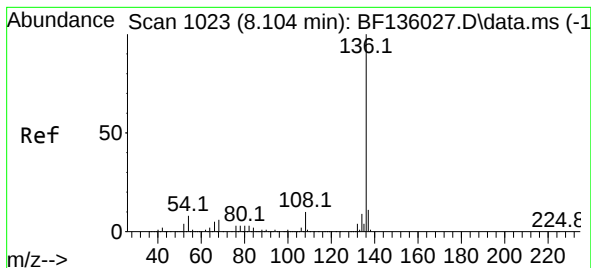


#19
n-Nitroso-di-n-propylamine
Concen: 20.413 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Tgt Ion: 70 Resp: 93287

Ion	Ratio	Lower	Upper
70	100		
42	46.0	43.0	64.4
101	0.0	8.0	12.0#
130	2.2	19.7	29.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Instrument :

BNA_F

ClientSampleId :

B3

Tgt Ion:136 Resp: 398512

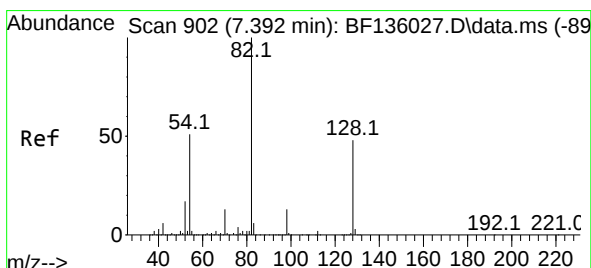
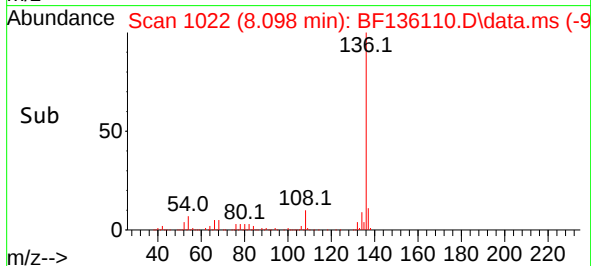
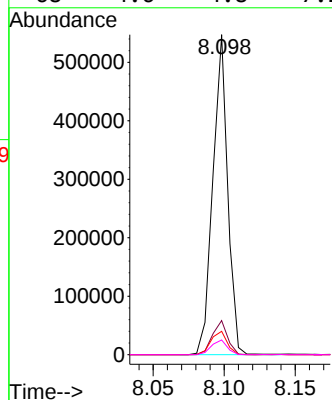
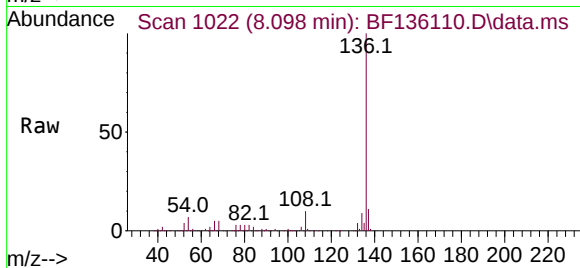
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 7.3 6.6 9.8

68 4.6 4.8 7.2#



#23

Nitrobenzene-d5

Concen: 104.127 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

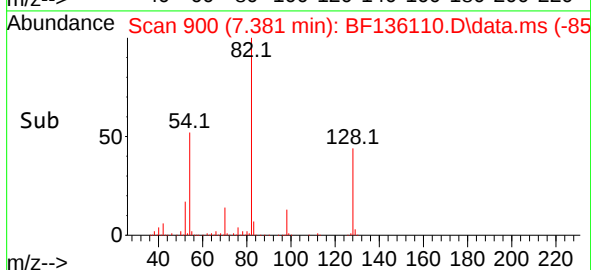
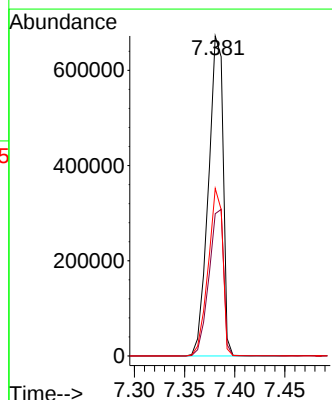
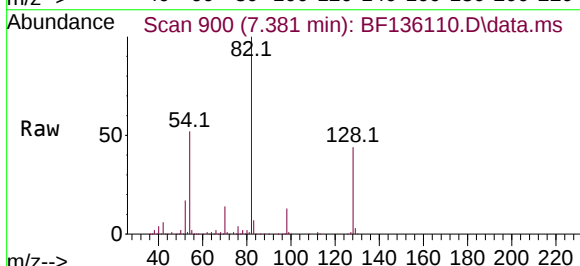
Tgt Ion: 82 Resp: 688359

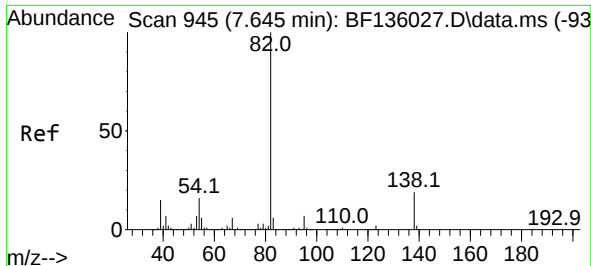
Ion Ratio Lower Upper

82 100

128 44.4 38.6 57.8

54 52.4 40.8 61.2

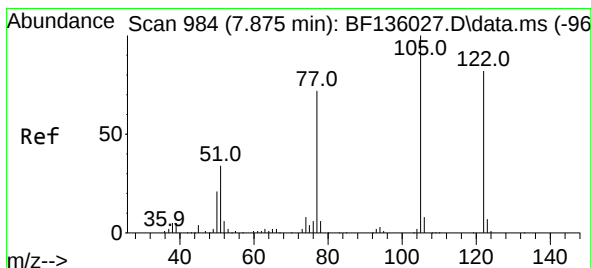
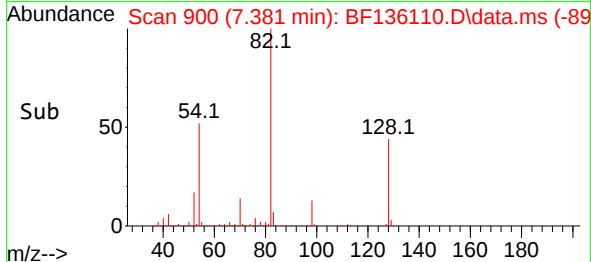
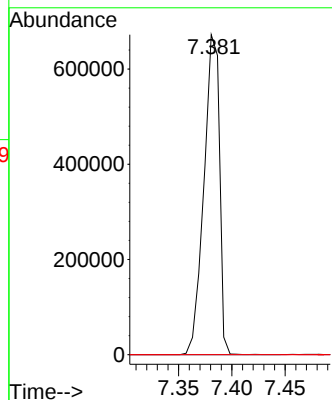
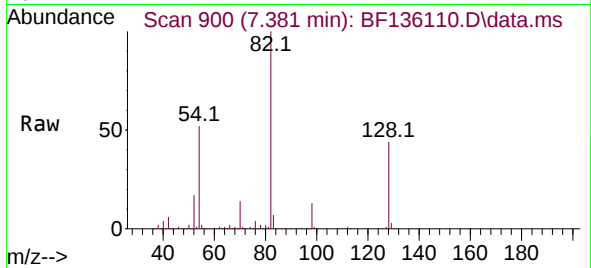




#25
Isophorone
Concen: 55.154 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

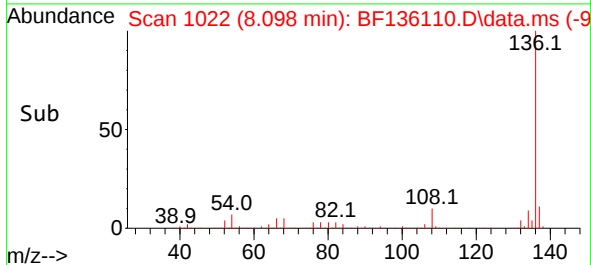
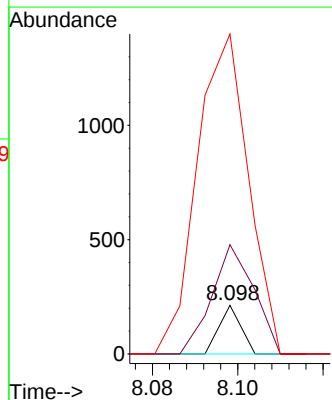
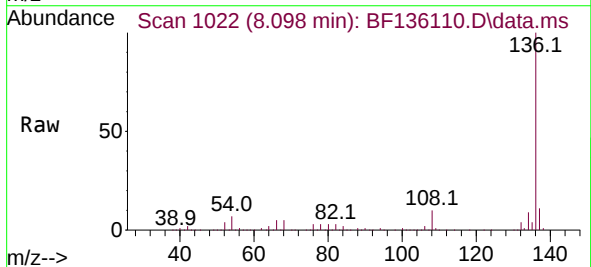
Instrument :
BNA_F
ClientSampleId :
B3

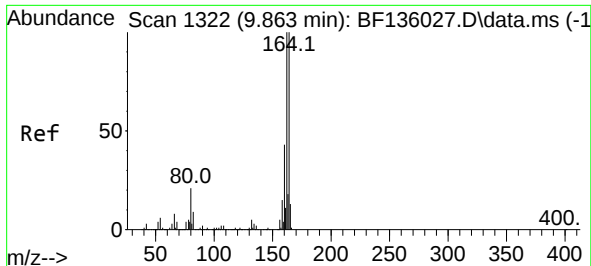
Tgt Ion: 82 Resp: 688344
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.129 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.223 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Tgt Ion: 122 Resp: 75
Ion Ratio Lower Upper
122 100
105 224.4 99.5 139.5#
77 657.3 66.8 106.8#

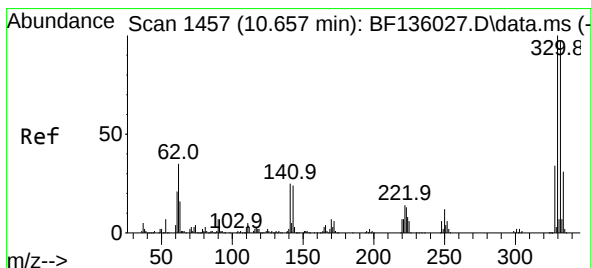
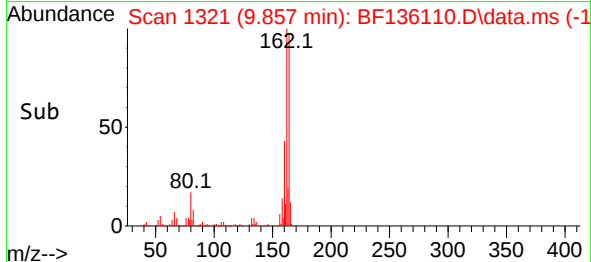
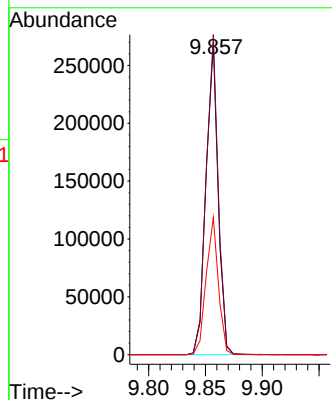
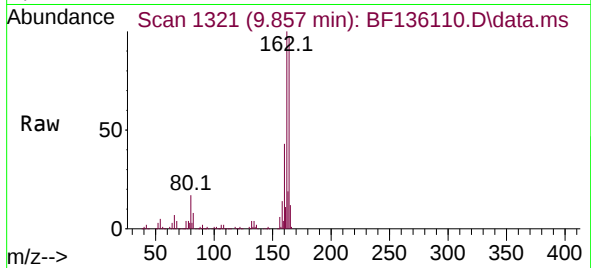




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

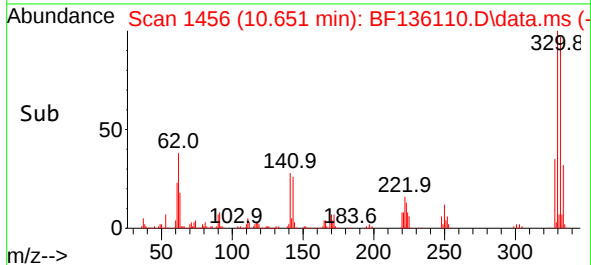
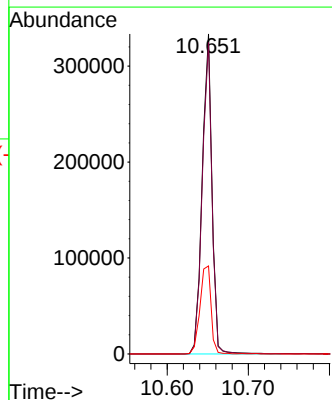
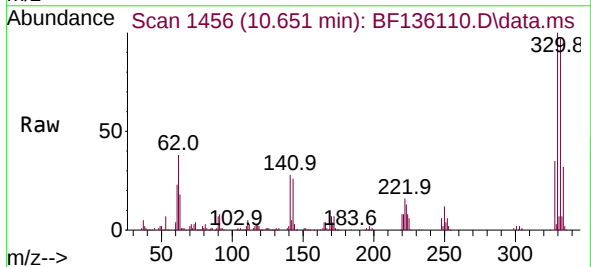
Instrument :
BNA_F
ClientSampleId :
B3

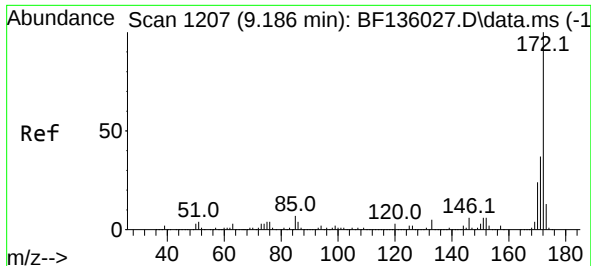
Tgt Ion:164 Resp: 199105
Ion Ratio Lower Upper
164 100
162 102.8 80.1 120.1
160 44.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 131.626 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Tgt Ion:330 Resp: 279732
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 31.1 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 99.130 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Instrument :

BNA_F

ClientSampleId :

B3

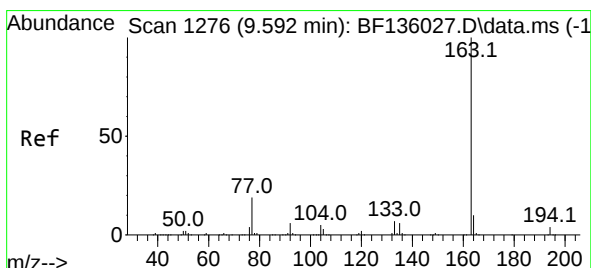
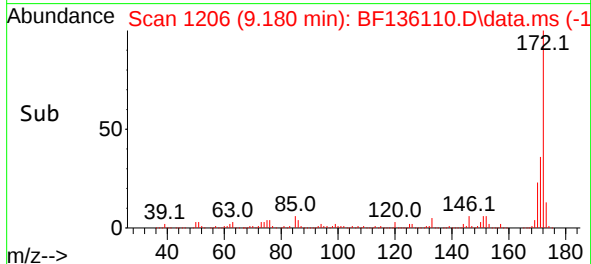
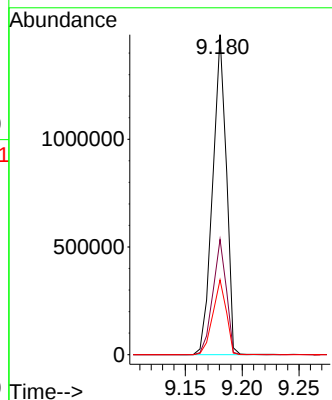
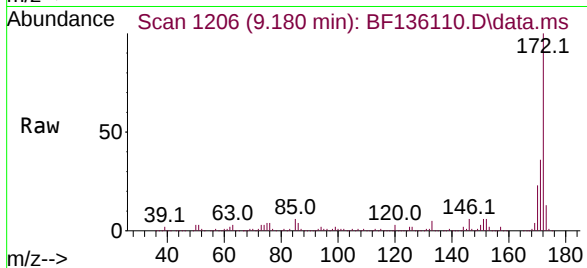
Tgt Ion:172 Resp: 1238145

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

170 23.4 19.3 28.9



#50

Dimethylphthalate

Concen: 3.125 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.265 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

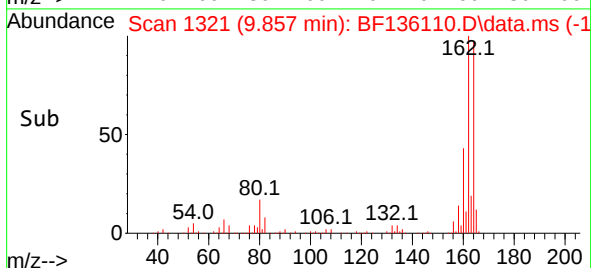
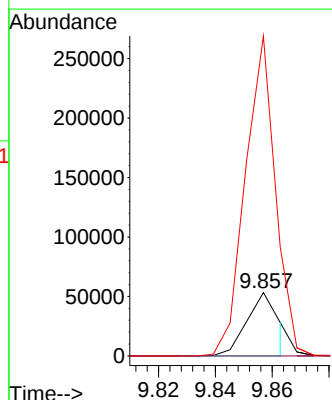
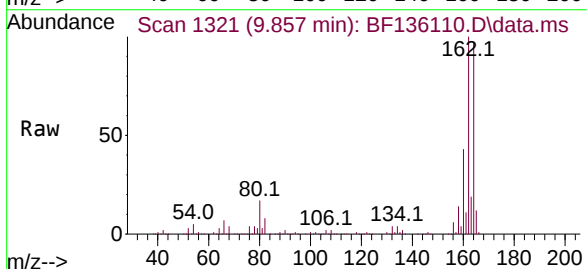
Tgt Ion:163 Resp: 41047

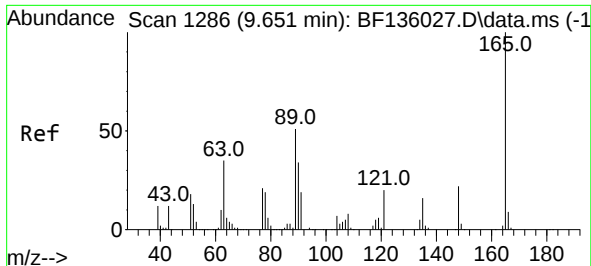
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 504.9 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.959 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

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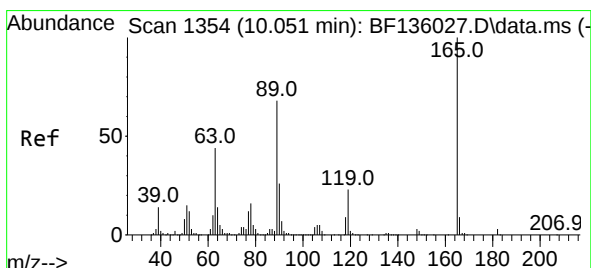
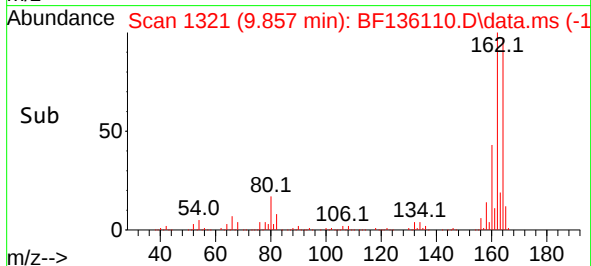
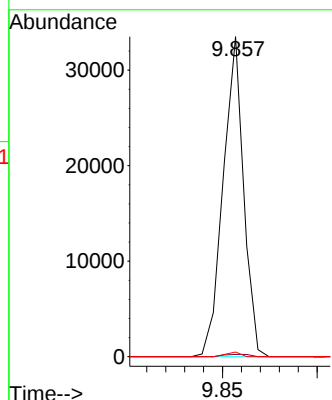
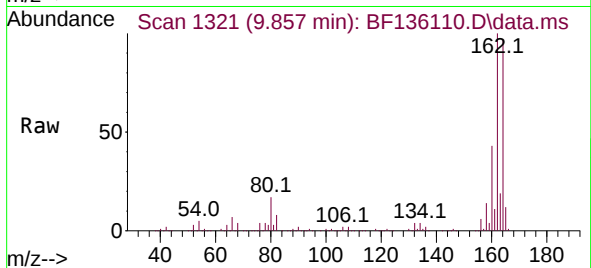
Tgt Ion:165 Resp: 25165

Ion Ratio Lower Upper

165 100

63 0.7 40.8 61.2#

89 1.4 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.081 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Tgt Ion:165 Resp: 25165

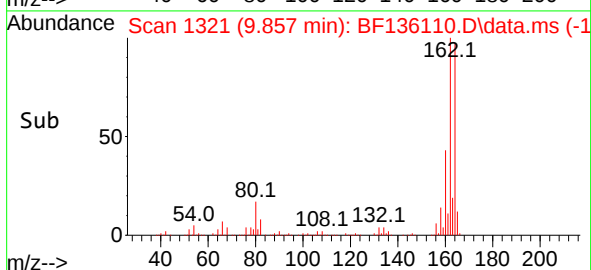
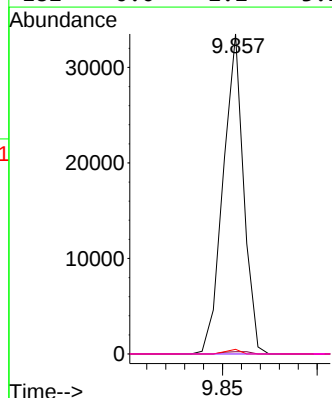
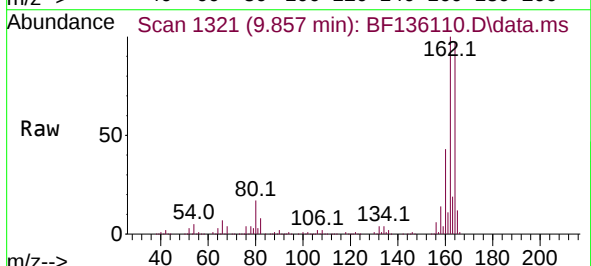
Ion Ratio Lower Upper

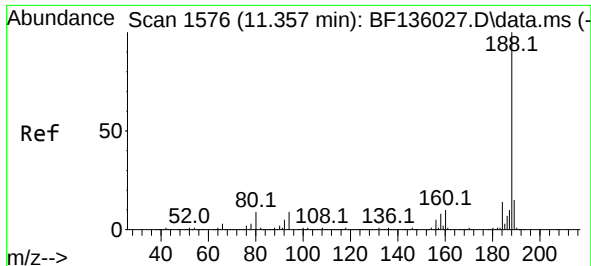
165 100

63 0.7 35.2 52.8#

89 1.4 54.8 82.2#

182 0.0 2.2 3.2#

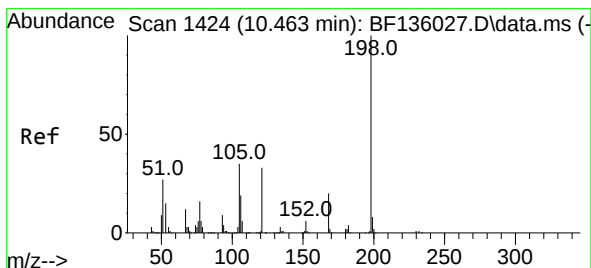
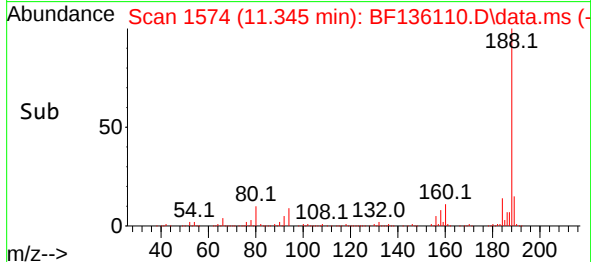
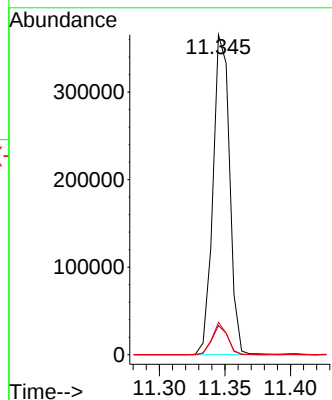
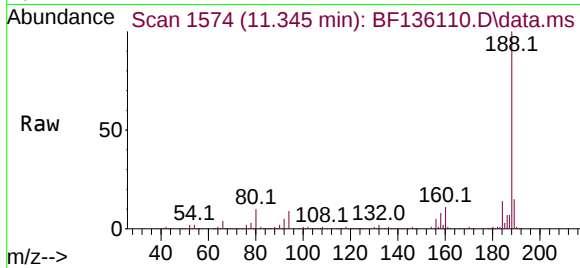




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

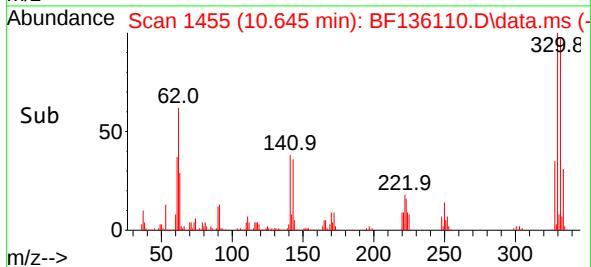
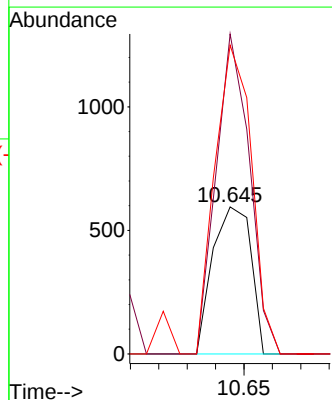
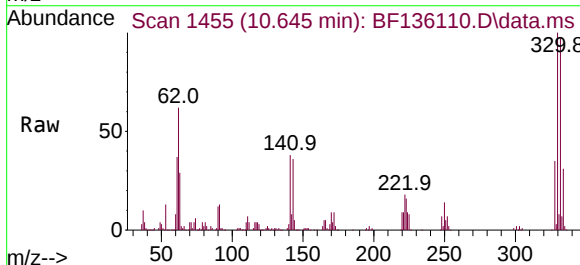
Instrument :
BNA_F
ClientSampleId :
B3

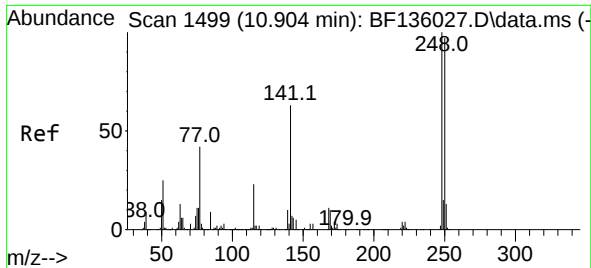
Tgt Ion:188 Resp: 321606
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.1 7.4 11.0



#65
4,6-Dinitro-2-methylphenol
Concen: 6.068 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.182 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Tgt Ion:198 Resp: 557
Ion Ratio Lower Upper
198 100
51 217.6 12.9 52.9#
105 210.1 16.0 56.0#

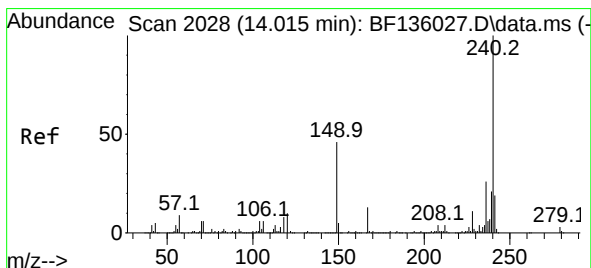
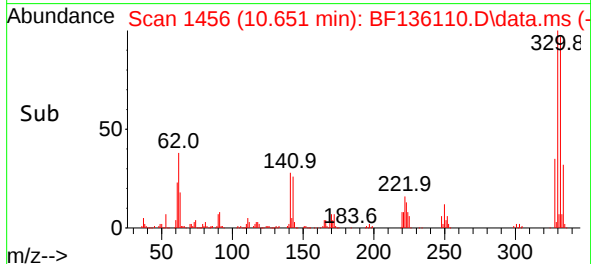
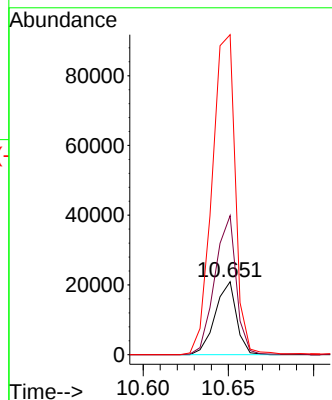
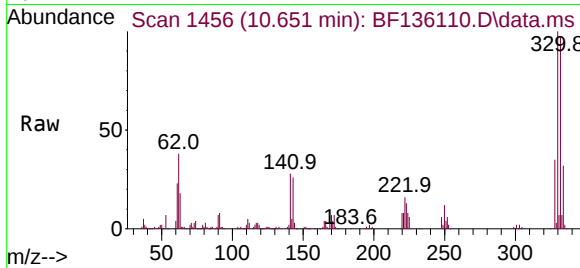




#67
4-Bromophenyl-phenylether
Concen: 5.411 ng
RT: 10.651 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

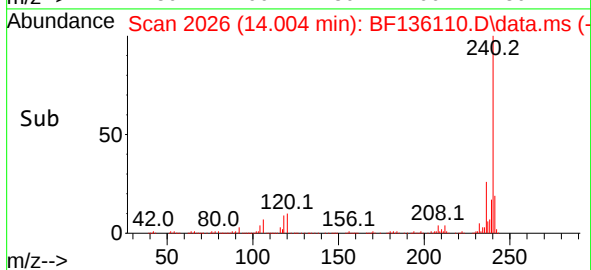
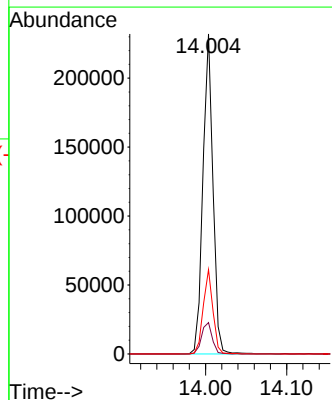
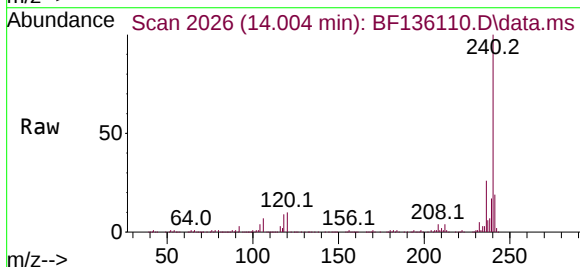
Instrument :
BNA_F
ClientSampleId :
B3

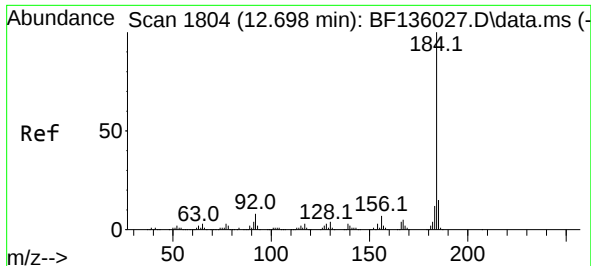
Tgt Ion:248 Resp: 18246
Ion Ratio Lower Upper
248 100
250 190.5 77.6 116.4#
141 438.2 50.4 75.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Tgt Ion:240 Resp: 199428
Ion Ratio Lower Upper
240 100
120 9.8 7.6 11.4
236 26.4 20.6 31.0

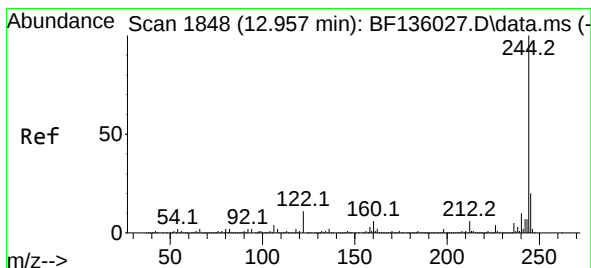
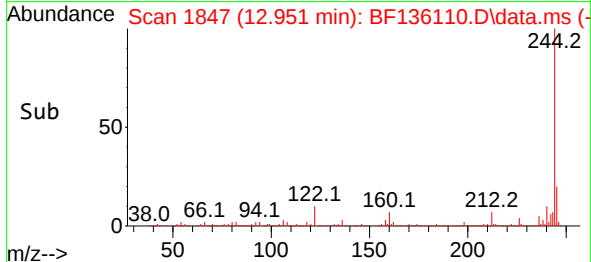
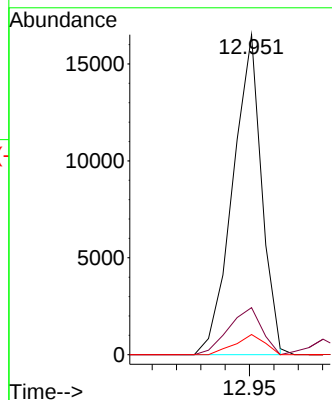
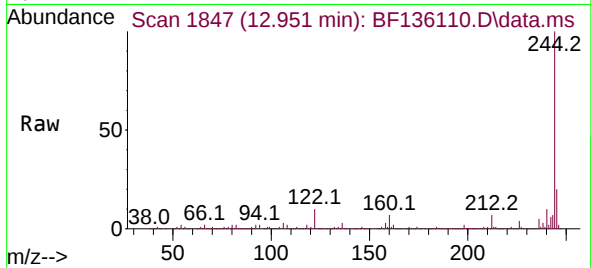




#77
Benzidine
Concen: 3.498 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

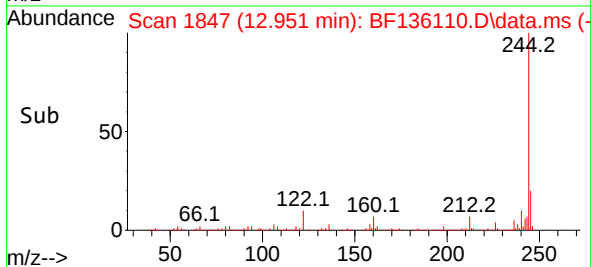
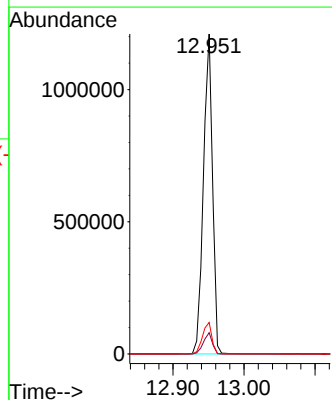
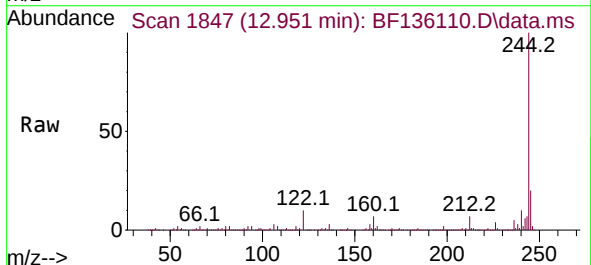
Instrument :
BNA_F
ClientSampleId :
B3

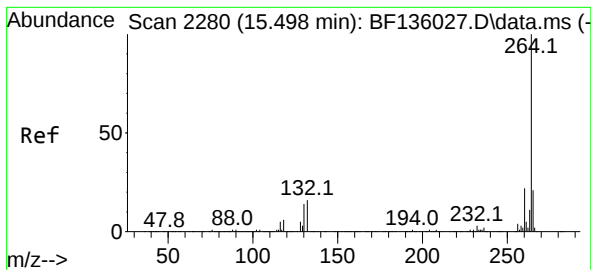
Tgt Ion:184 Resp: 13598
Ion Ratio Lower Upper
184 100
185 14.7 11.8 17.8
183 6.3 9.5 14.3#



#79
Terphenyl-d14
Concen: 84.124 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF136110.D
Acq: 02 Nov 2023 22:37

Tgt Ion:244 Resp: 1079561
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 9.9 8.6 12.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136110.D

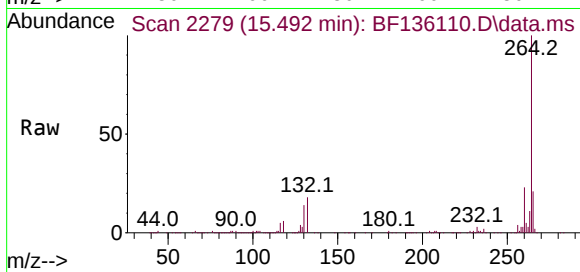
Acq: 02 Nov 2023 22:37

Instrument :

BNA_F

ClientSampleId :

B3



Tgt Ion:264 Resp: 171781

Ion Ratio Lower Upper

264 100

260 23.0 17.9 26.9

265 20.6 16.8 25.2

