

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110223\
 Data File : BF136111.D
 Acq On : 02 Nov 2023 23:08
 Operator : CG\JU
 Sample : 05049-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4

Quant Time: Nov 03 00:03:03 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)

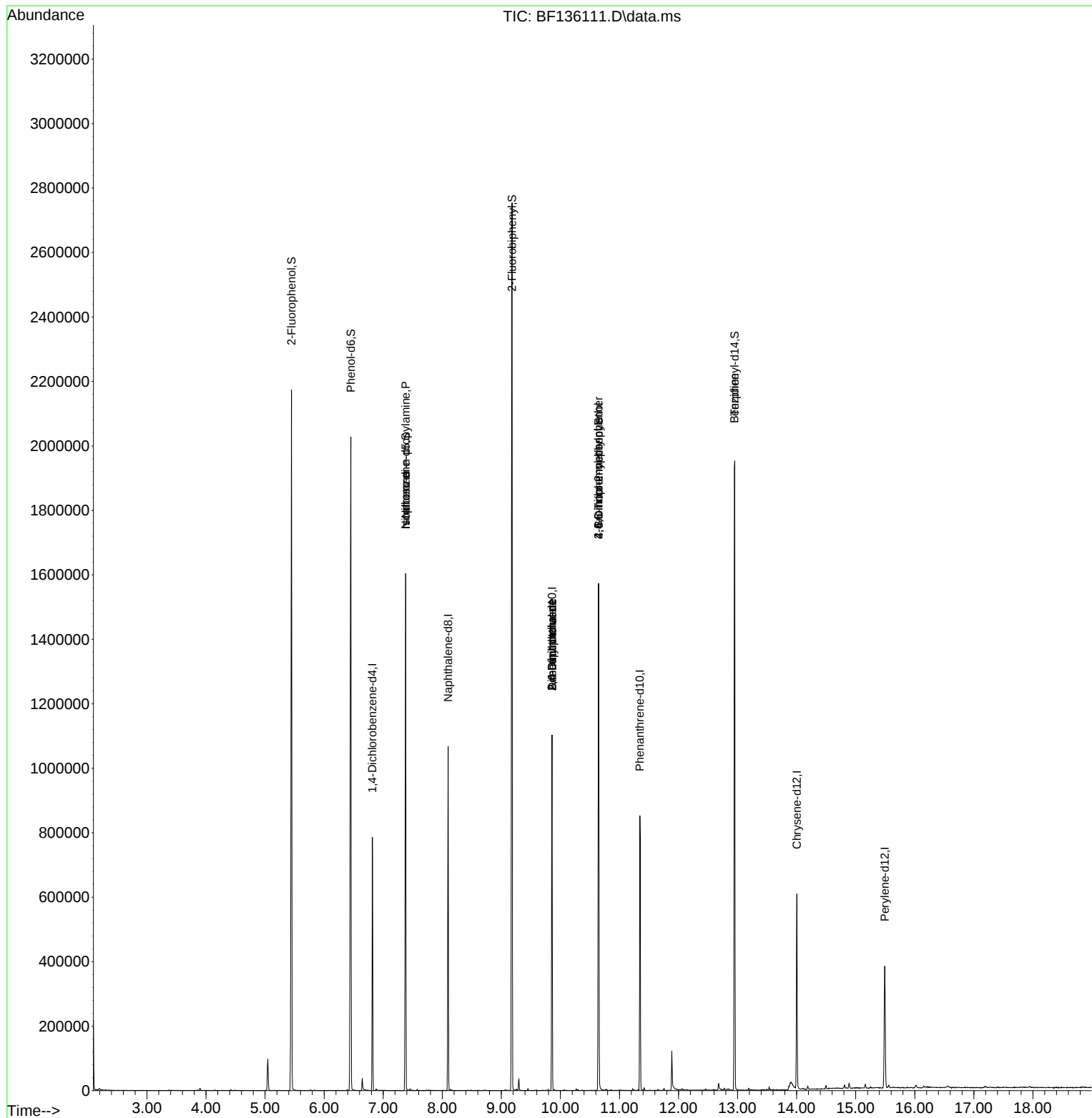
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	103354	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	401945	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	198223	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	319816	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	195460	20.000	ng	-0.01
86) Perylene-d12	15.492	264	175203	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	582360	88.543	ng	0.00
7) Phenol-d6	6.451	99	711685	86.846	ng	0.00
23) Nitrobenzene-d5	7.381	82	445125	66.759	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	180138	85.140	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	838777	67.454	ng	0.00
79) Terphenyl-d14	12.951	244	719722	57.222	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	58258	12.442	ng	# 77
25) Isophorone	7.381	82	445120	35.361	ng	# 64
50) Dimethylphthalate	9.857	163	41860	3.202	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	24816	8.874	ng	# 29
57) 2,4-Dinitrotoluene	9.857	165	24816	7.014	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.645	198	363	5.972	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	11653	3.475	ng	# 1
77) Benzidine	12.945	184	9100	2.389	ng	# 91

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

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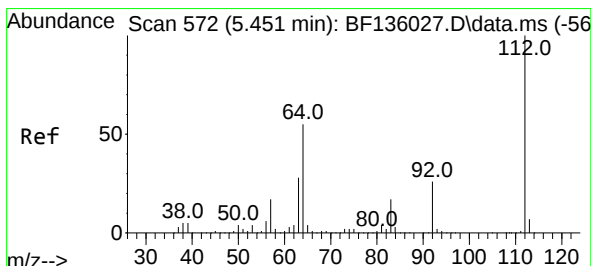
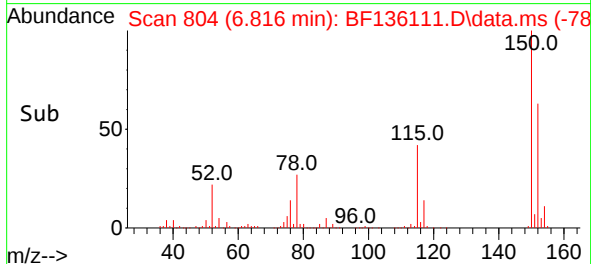
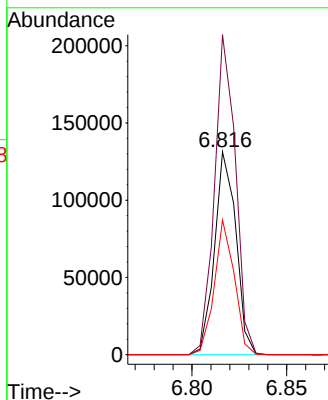
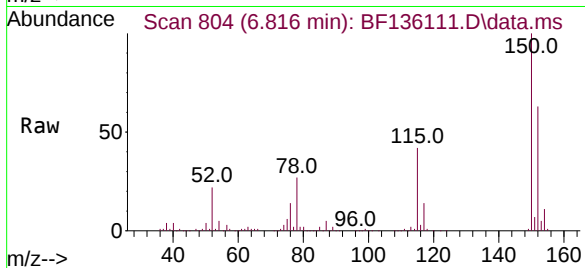




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

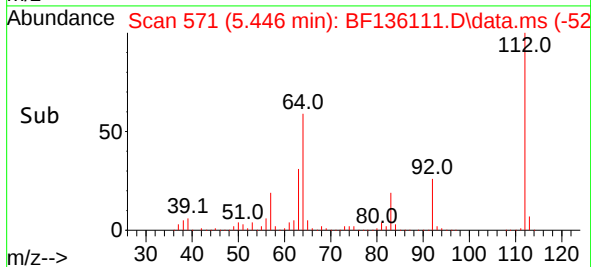
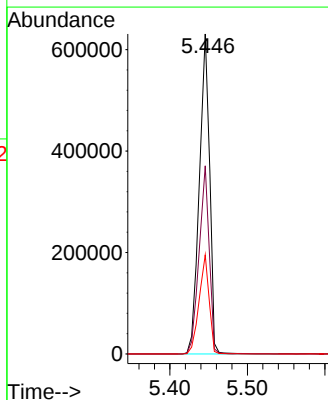
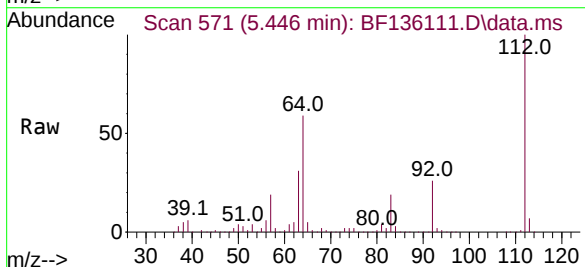
Instrument :
BNA_F
ClientSampleId :
B4

Tgt Ion:152 Resp: 103354
Ion Ratio Lower Upper
152 100
150 157.7 126.4 189.6
115 66.4 47.0 70.4



#5
2-Fluorophenol
Concen: 88.543 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Tgt Ion:112 Resp: 582360
Ion Ratio Lower Upper
112 100
64 58.8 43.9 65.9
63 30.9 22.4 33.6

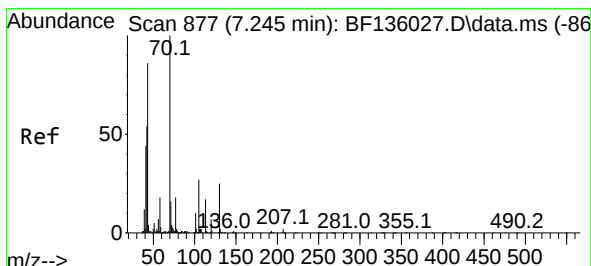
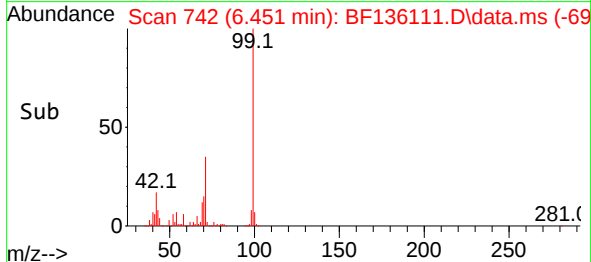
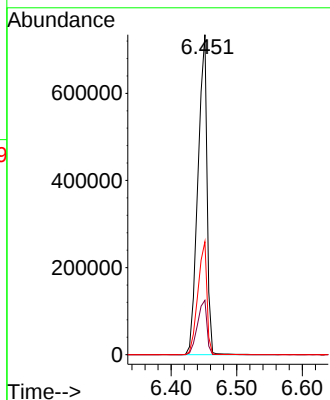
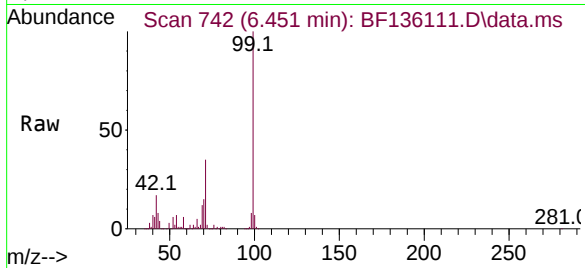




#7
Phenol-d6
Concen: 86.846 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

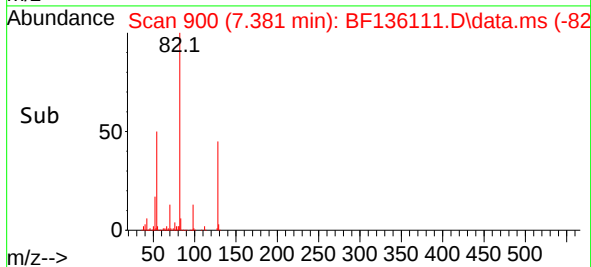
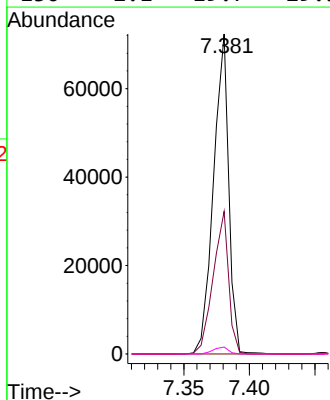
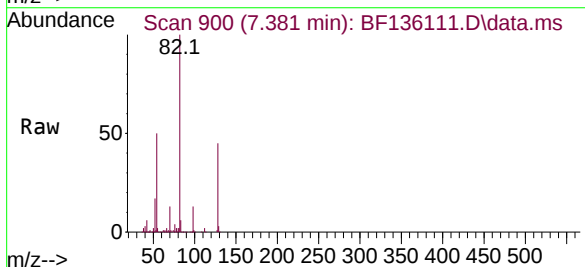
Instrument :
BNA_F
ClientSampleId :
B4

Tgt Ion: 99 Resp: 711685
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 35.3 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.442 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.136 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Tgt Ion: 70 Resp: 58258
Ion Ratio Lower Upper
70 100
42 44.5 43.0 64.4
101 0.0 8.0 12.0#
130 2.1 19.7 29.5#

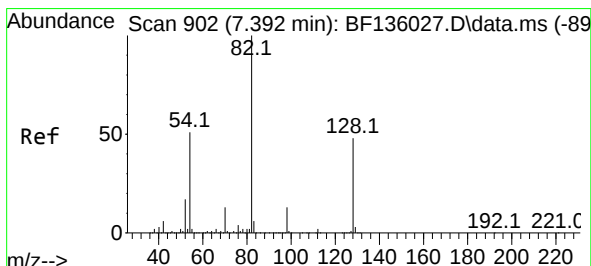
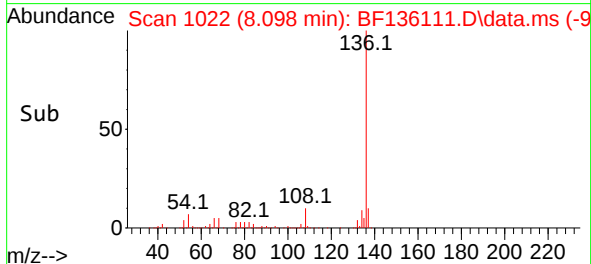
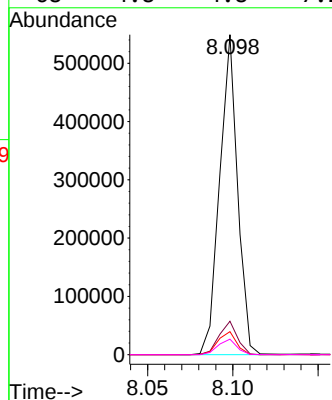
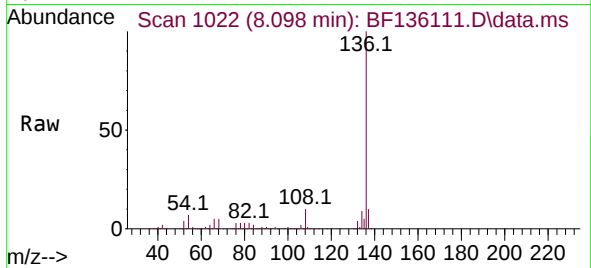




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

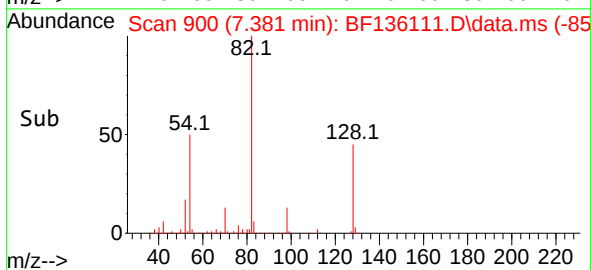
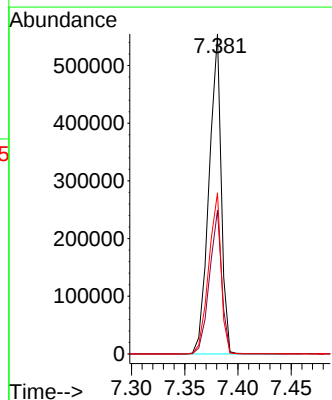
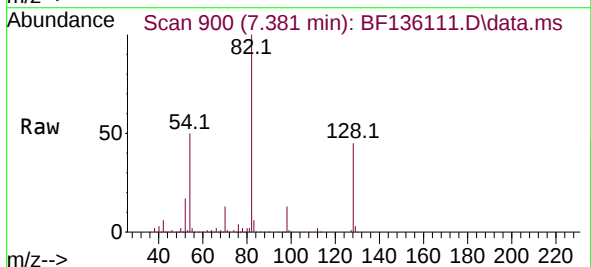
Instrument :
BNA_F
ClientSampleId :
B4

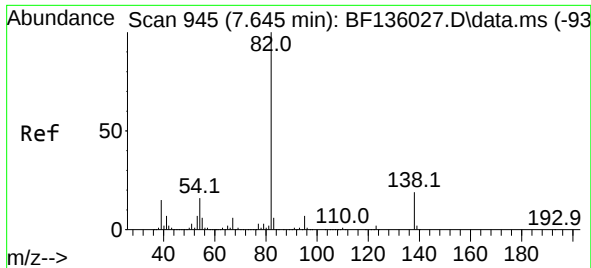
Tgt Ion	136	Resp: Lower	401945 Upper
136	100		
137	10.5	8.6	13.0
54	7.2	6.6	9.8
68	4.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 66.759 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Tgt Ion: 82	Resp: 445125
Ion Ratio	Lower Upper
82 100	
128 44.9	38.6 57.8
54 50.4	40.8 61.2

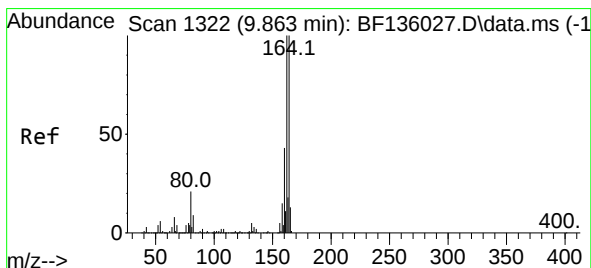
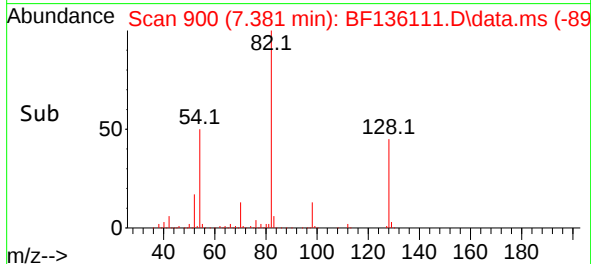
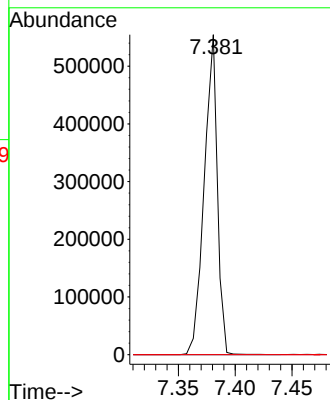
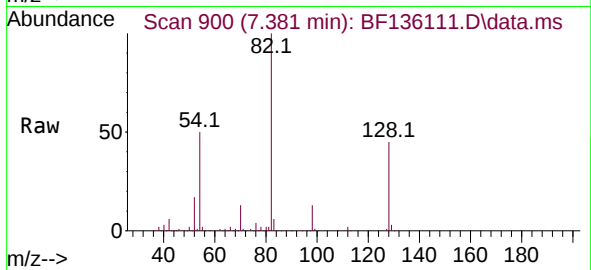




#25
Isophorone
Concen: 35.361 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

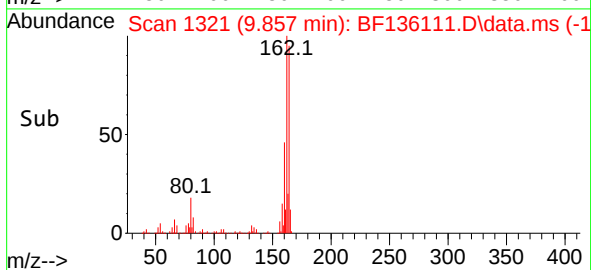
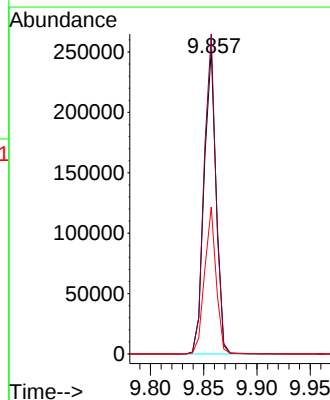
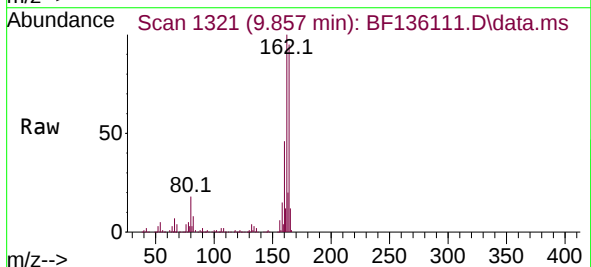
Instrument :
BNA_F
ClientSampleId :
B4

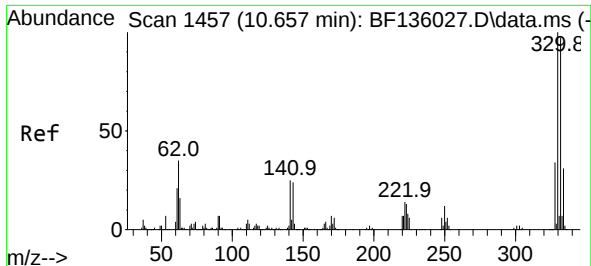
Tgt Ion: 82 Resp: 445120
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Tgt Ion: 164 Resp: 198223
Ion Ratio Lower Upper
164 100
162 105.1 80.1 120.1
160 48.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 85.140 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF136111.D

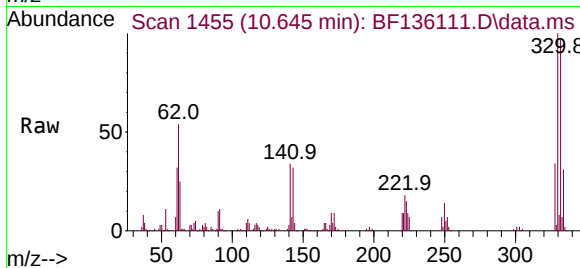
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Instrument :

BNA_F

ClientSampleId :

B4



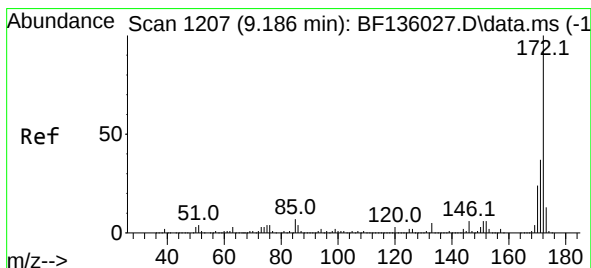
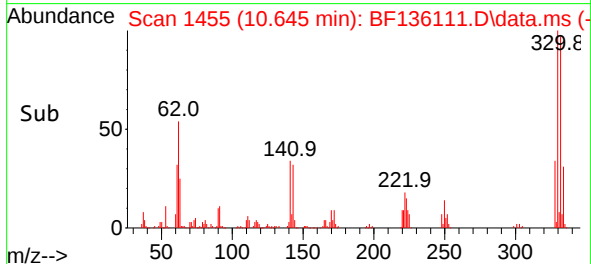
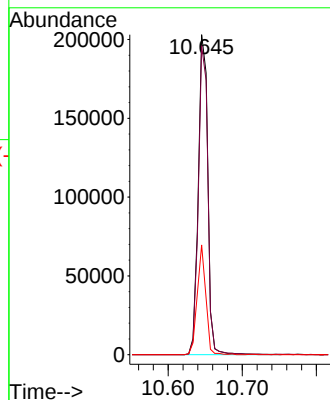
Tgt Ion:330 Resp: 180138

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 31.0 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 67.454 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136111.D

Acq: 02 Nov 2023 23:08

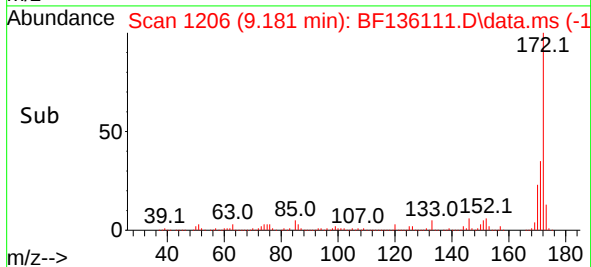
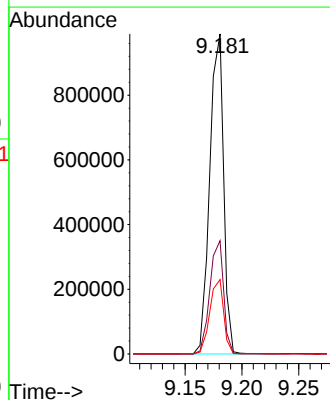
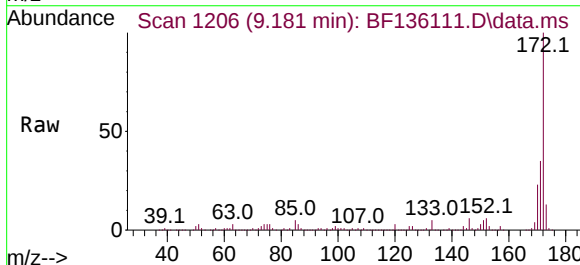
Tgt Ion:172 Resp: 838777

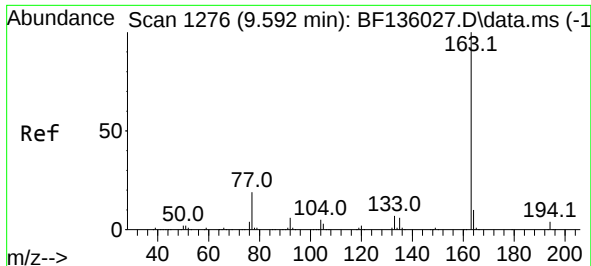
Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 23.3 19.3 28.9

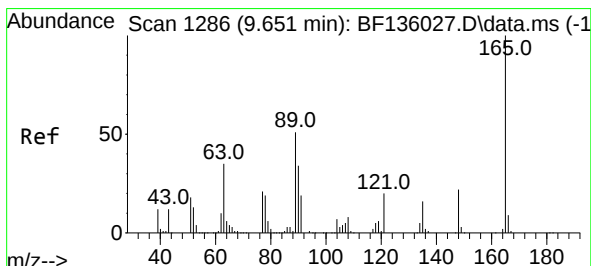
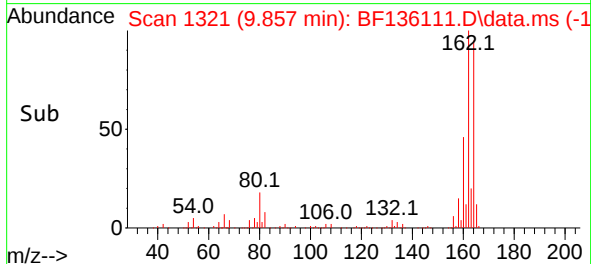
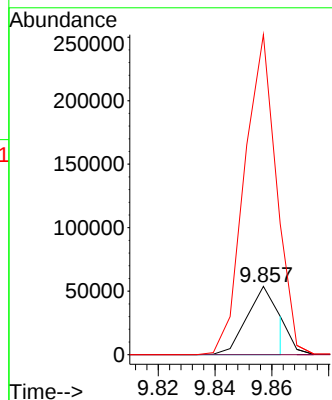
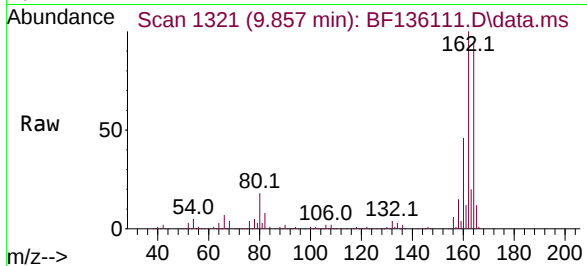




#50
Dimethylphthalate
Concen: 3.202 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.265 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

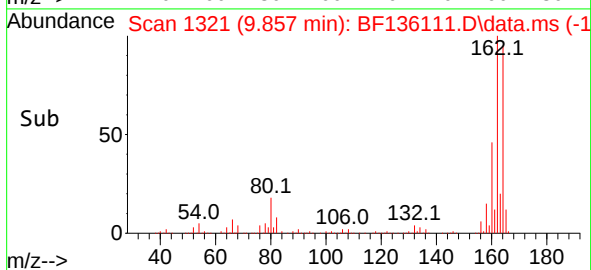
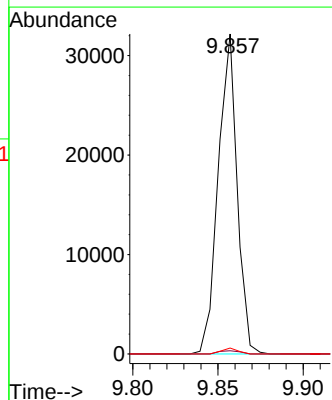
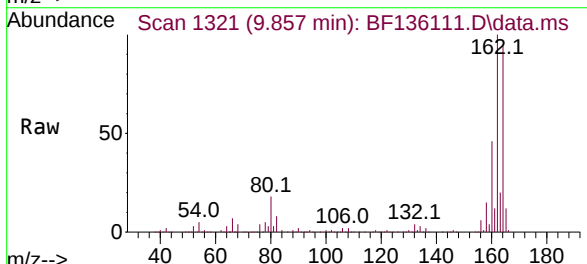
Instrument :
BNA_F
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B4

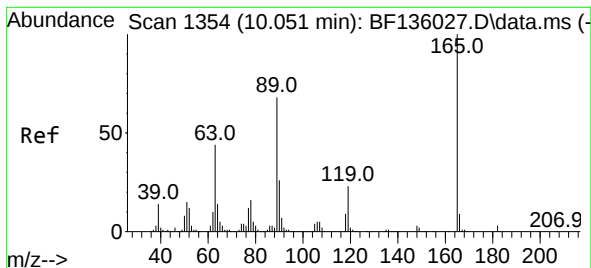
Tgt Ion:163 Resp: 41860
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 468.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.874 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.206 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Tgt Ion:165 Resp: 24816
Ion Ratio Lower Upper
165 100
63 1.0 40.8 61.2#
89 1.8 41.1 61.7#

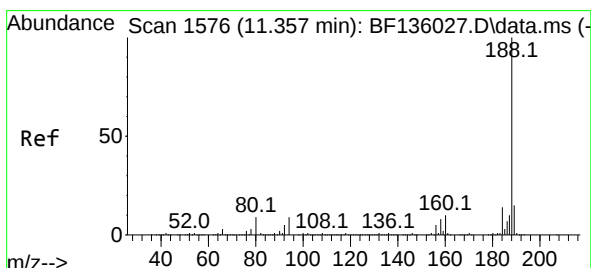
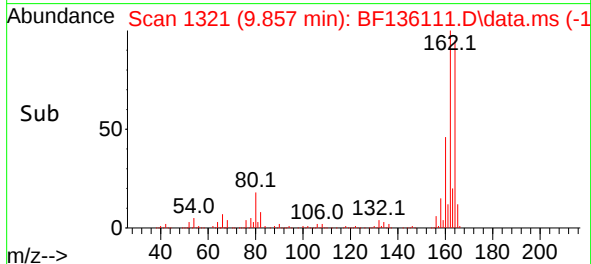
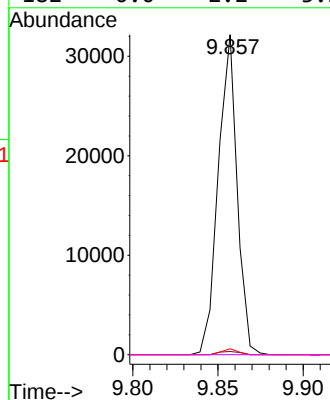
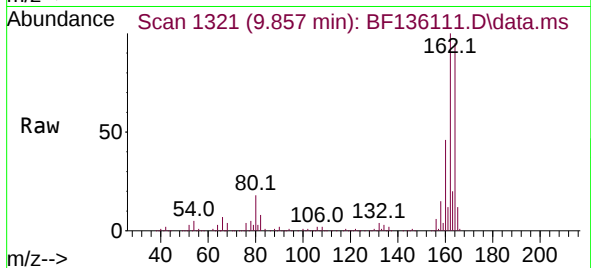




#57
2,4-Dinitrotoluene
Concen: 7.014 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

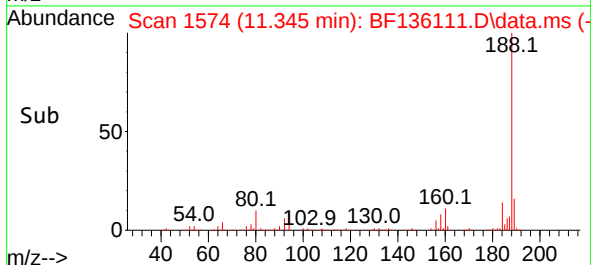
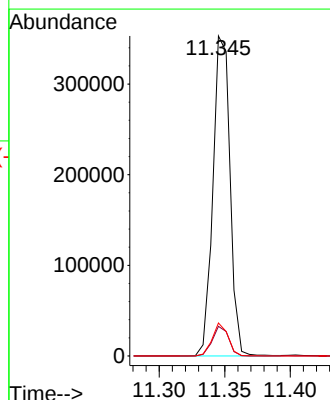
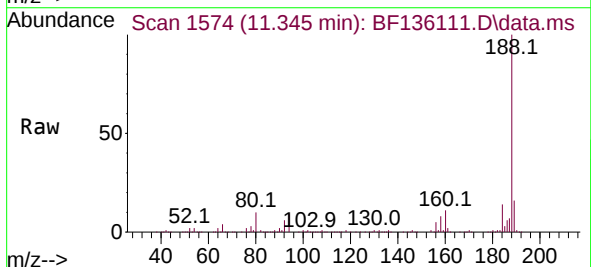
Instrument :
BNA_F
ClientSampleId :
B4

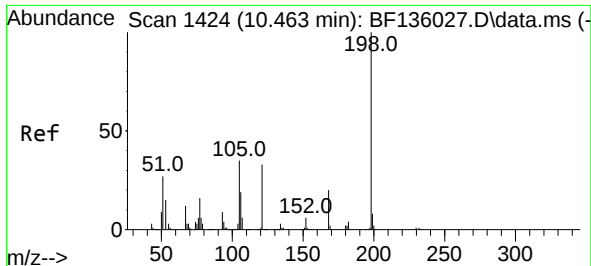
Tgt Ion:165 Resp: 24816
Ion Ratio Lower Upper
165 100
63 1.0 35.2 52.8#
89 1.8 54.8 82.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Tgt Ion:188 Resp: 319816
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.3 7.4 11.0





#65

4,6-Dinitro-2-methylphenol

Concen: 5.972 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.182 min

Lab File: BF136111.D

Acq: 02 Nov 2023 23:08

Instrument :

BNA_F

ClientSampleId :

B4

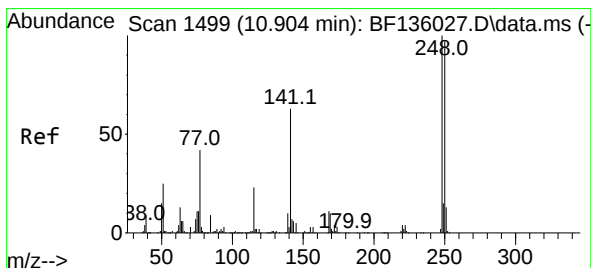
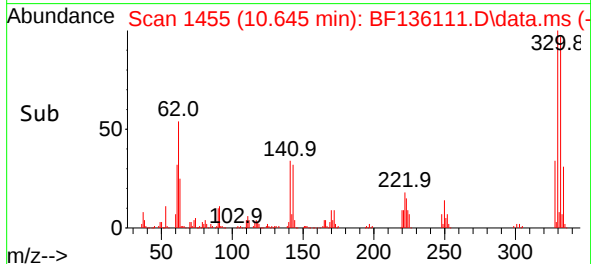
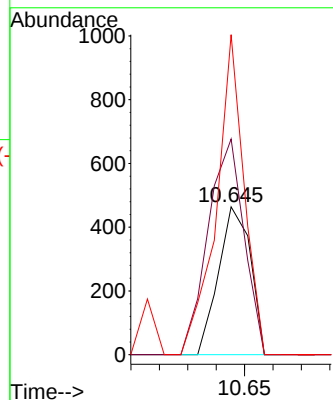
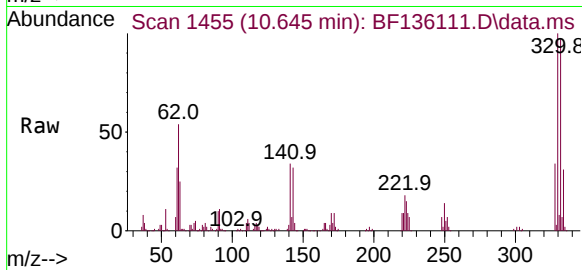
Tgt Ion:198 Resp: 363

Ion Ratio Lower Upper

198 100

51 145.9 12.9 52.9#

105 216.4 16.0 56.0#



#67

4-Bromophenyl-phenylether

Concen: 3.475 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.259 min

Lab File: BF136111.D

Acq: 02 Nov 2023 23:08

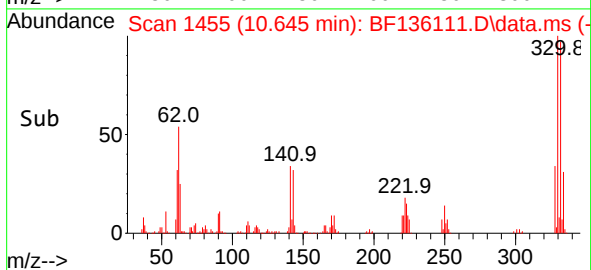
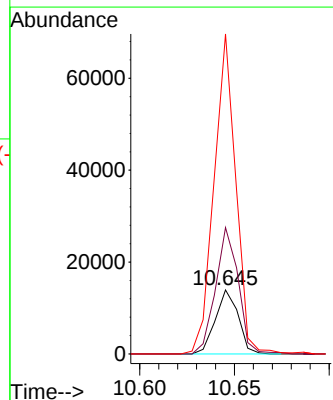
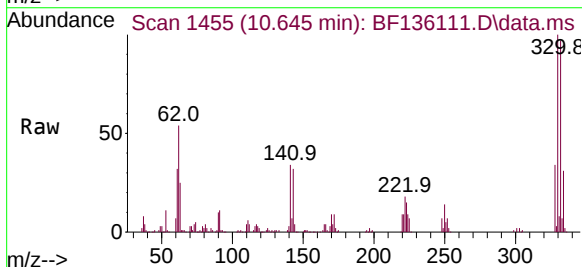
Tgt Ion:248 Resp: 11653

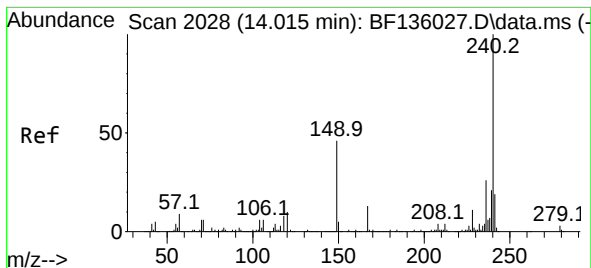
Ion Ratio Lower Upper

248 100

250 197.7 77.6 116.4#

141 500.4 50.4 75.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136111.D

Acq: 02 Nov 2023 23:08

Instrument :

BNA_F

ClientSampleId :

B4

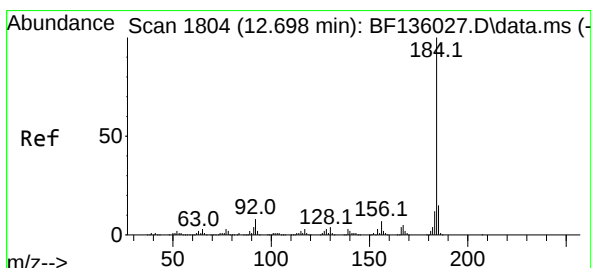
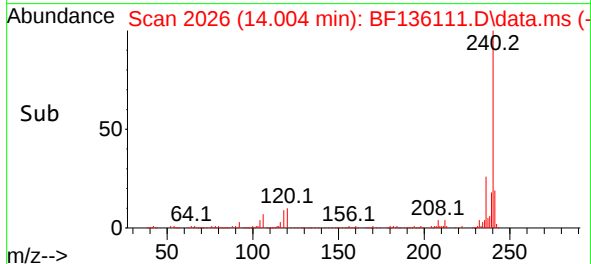
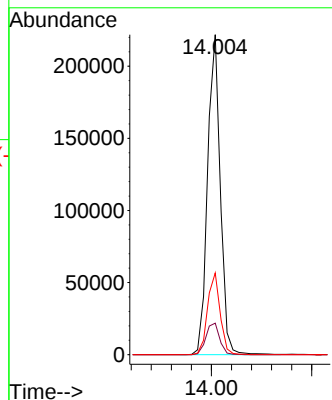
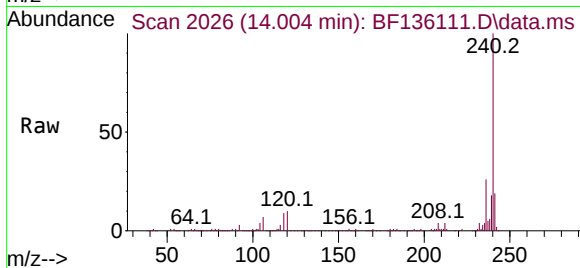
Tgt Ion:240 Resp: 195460

Ion Ratio Lower Upper

240 100

120 9.8 7.6 11.4

236 25.5 20.6 31.0



#77

Benzidine

Concen: 2.389 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF136111.D

Acq: 02 Nov 2023 23:08

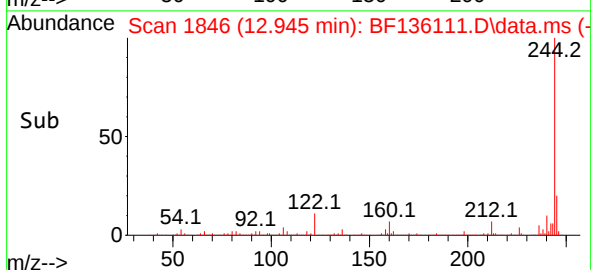
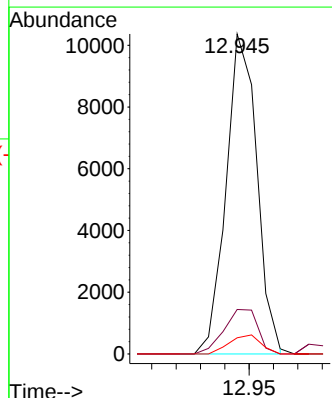
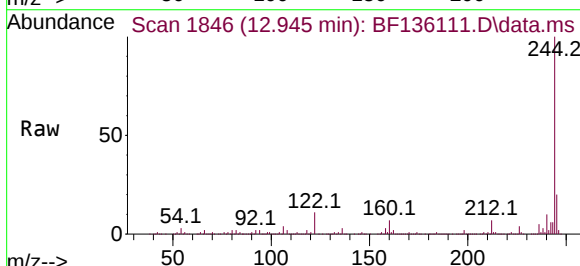
Tgt Ion:184 Resp: 9100

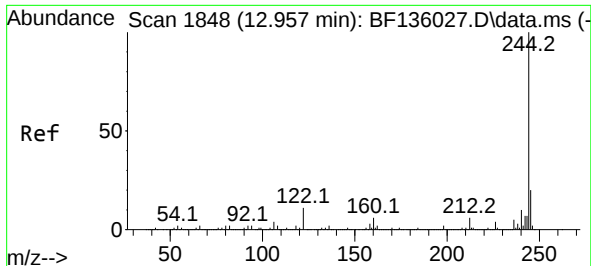
Ion Ratio Lower Upper

184 100

185 13.9 11.8 17.8

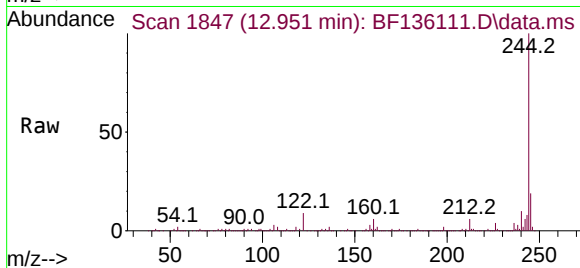
183 5.0 9.5 14.3#



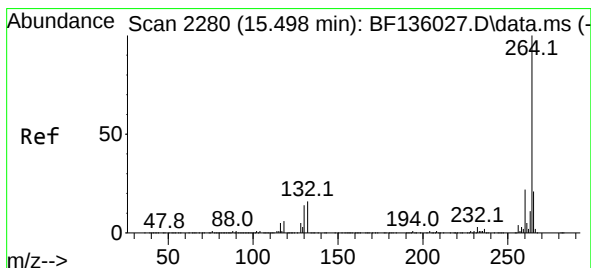
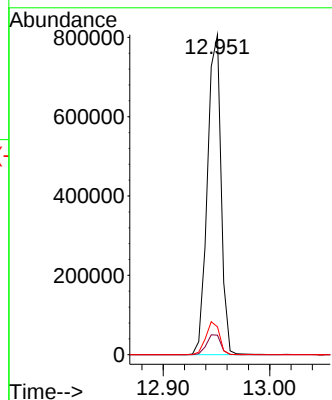
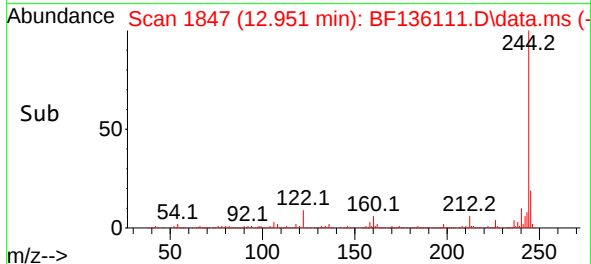


#79
Terphenyl-d14
Concen: 57.222 ng
RT: 12.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Instrument :
BNA_F
ClientSampleId :
B4



Tgt Ion:244 Resp: 719722
Ion Ratio Lower Upper
244 100
212 6.1 5.1 7.7
122 8.7 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF136111.D
Acq: 02 Nov 2023 23:08

Tgt Ion:264 Resp: 175203
Ion Ratio Lower Upper
264 100
260 22.4 17.9 26.9
265 21.7 16.8 25.2

