

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110223\
 Data File : BF136106.D
 Acq On : 02 Nov 2023 20:34
 Operator : CG\JU
 Sample : 05049-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1

Quant Time: Nov 02 23:05:57 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)

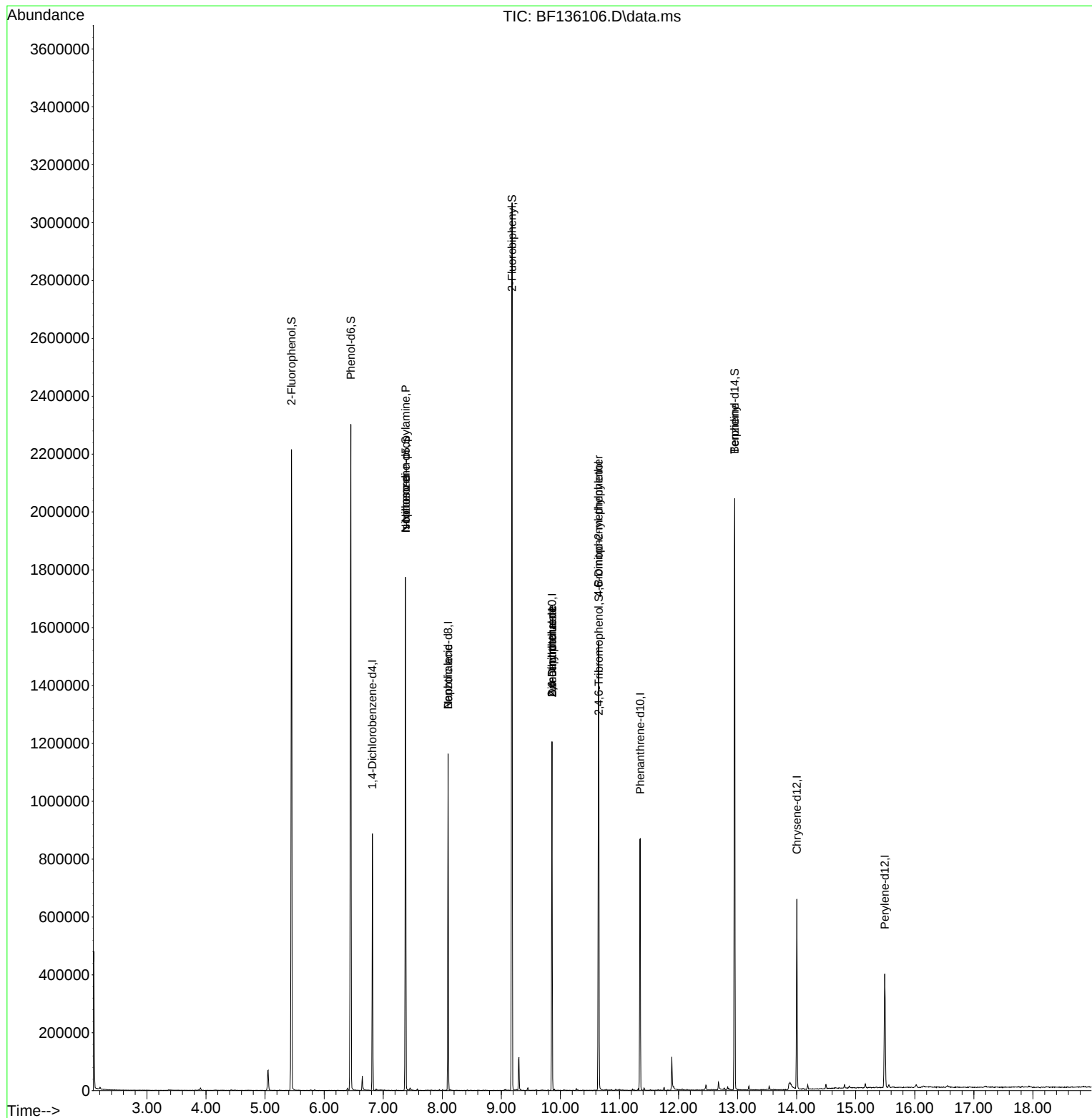
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	124008	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	432199	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	210282	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	335828	20.000	ng	0.00
76) Chrysene-d12	14.004	240	203958	20.000	ng	-0.01
86) Perylene-d12	15.492	264	180122	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	636493	80.655	ng	0.00
7) Phenol-d6	6.451	99	793160	80.668	ng	0.00
23) Nitrobenzene-d5	7.381	82	489075	68.215	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	182341	81.239	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	868212	65.817	ng	0.00
79) Terphenyl-d14	12.951	244	734674	55.978	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	65666	11.689	ng	# 76
25) Isophorone	7.381	82	489067	36.133	ng	# 64
32) Benzoic acid	8.098	122	56	5.124	ng	# 1
50) Dimethylphthalate	9.857	163	43605	3.144	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	26599	8.966	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	26599	7.087	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	405	5.984	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	11154	3.168	ng	# 1
77) Benzidine	12.951	184	8926	2.245	ng	# 92

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

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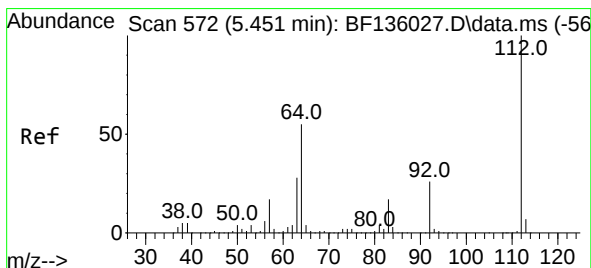
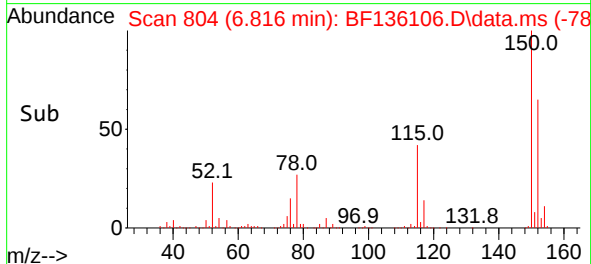
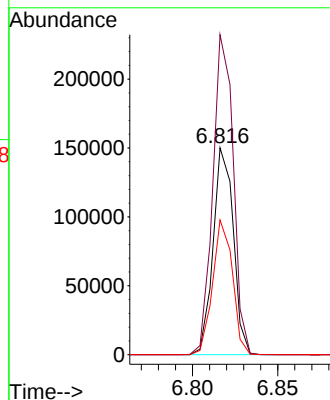
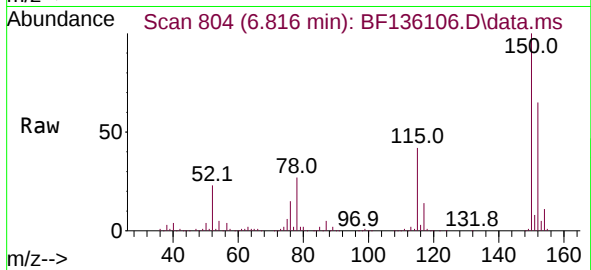




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

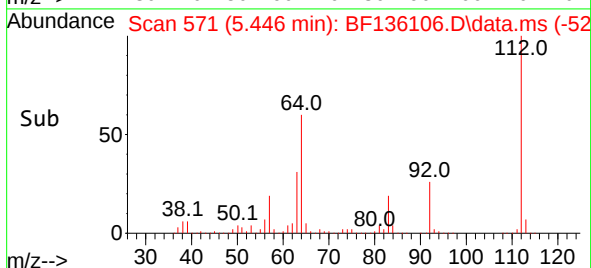
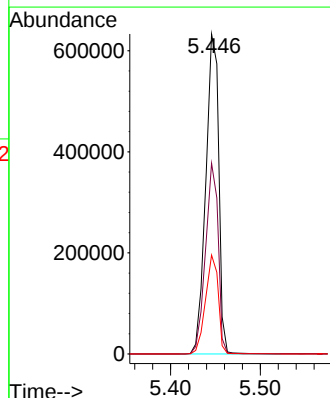
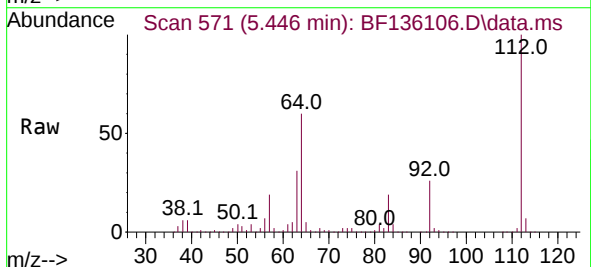
Instrument :
BNA_F
ClientSampleId :
B1

Tgt Ion:152 Resp: 124008
Ion Ratio Lower Upper
152 100
150 154.7 126.4 189.6
115 65.1 47.0 70.4



#5
2-Fluorophenol
Concen: 80.655 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

Tgt Ion:112 Resp: 636493
Ion Ratio Lower Upper
112 100
64 59.6 43.9 65.9
63 30.9 22.4 33.6

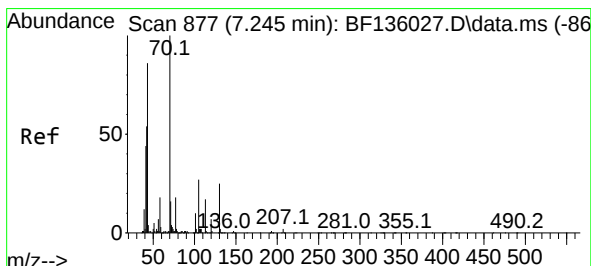
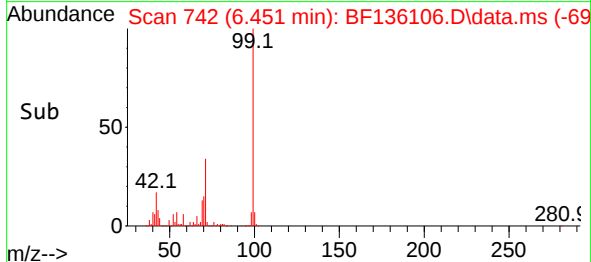
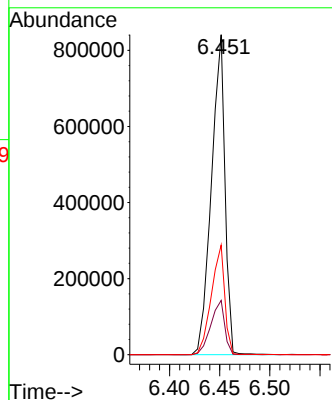
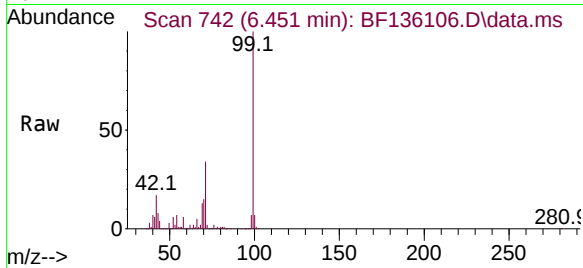




#7
Phenol-d6
Concen: 80.668 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

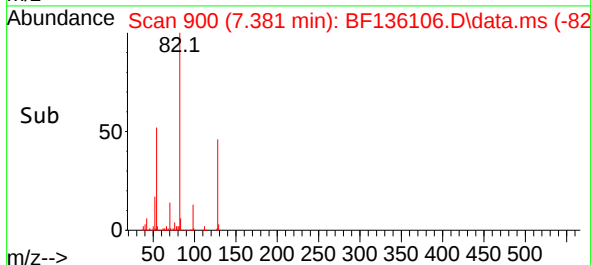
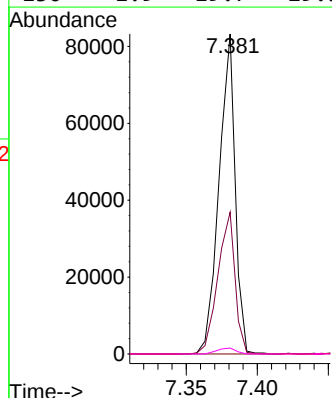
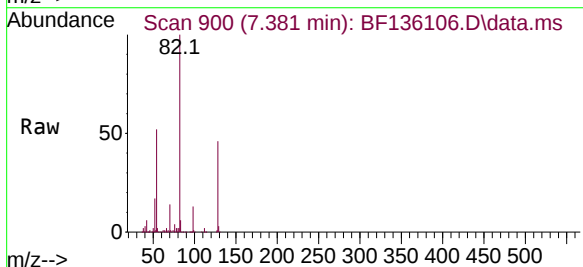
Instrument :
BNA_F
ClientSampleId :
B1

Tgt Ion: 99 Resp: 793160
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 34.3 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.689 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.136 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

Tgt Ion: 70 Resp: 65666
Ion Ratio Lower Upper
70 100
42 44.3 43.0 64.4
101 0.0 8.0 12.0#
130 1.9 19.7 29.5#

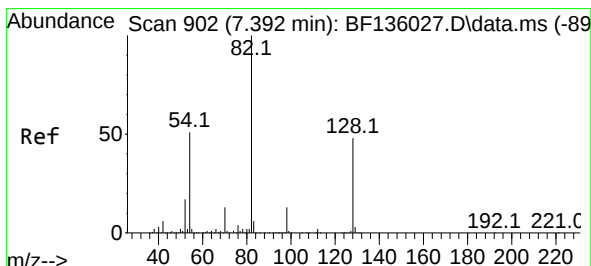
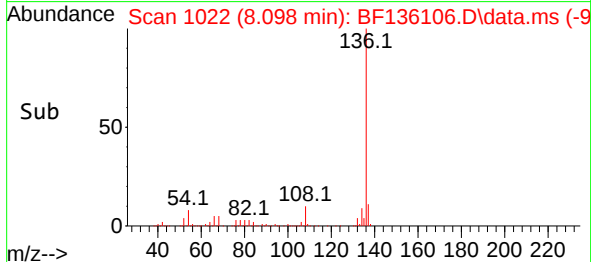
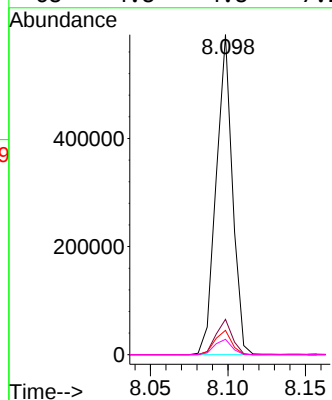
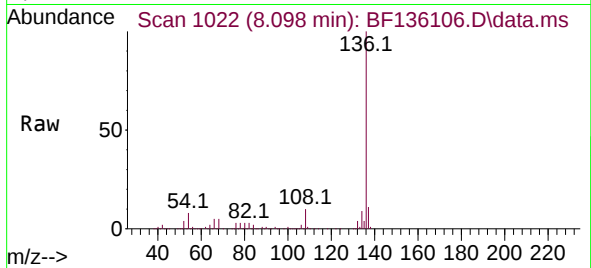




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

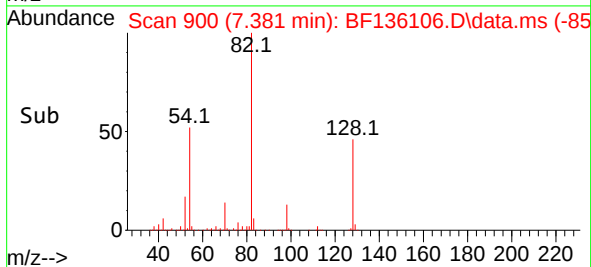
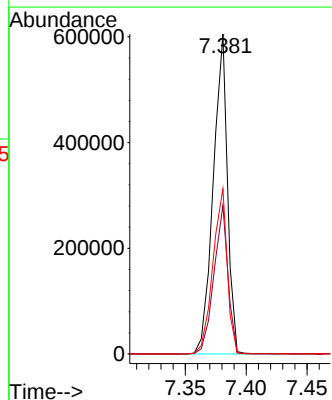
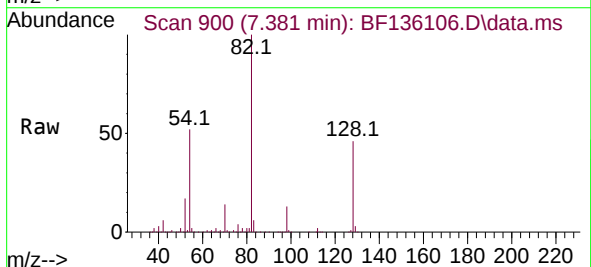
Instrument :
BNA_F
ClientSampleId :
B1

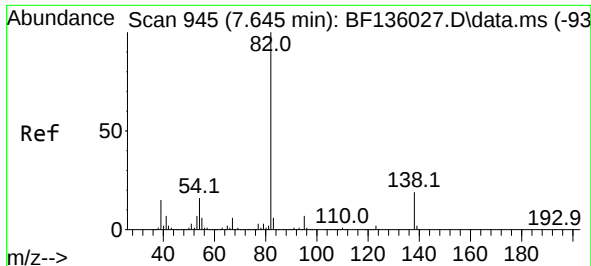
Tgt Ion:	136	Resp:	432199
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.6	6.6	9.8
68	4.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 68.215 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.011 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

Tgt Ion:	82	Resp:	489075
Ion	Ratio	Lower	Upper
82	100		
128	46.4	38.6	57.8
54	51.7	40.8	61.2

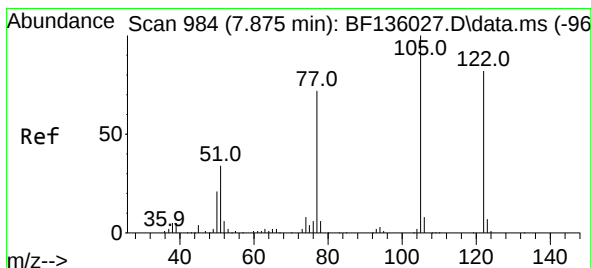
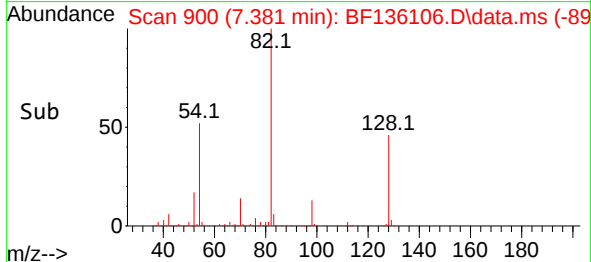
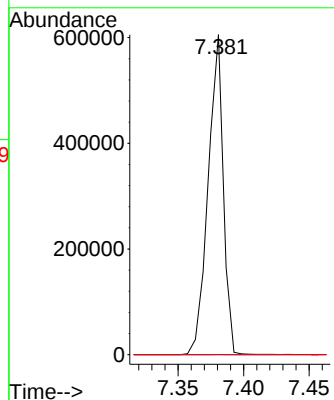
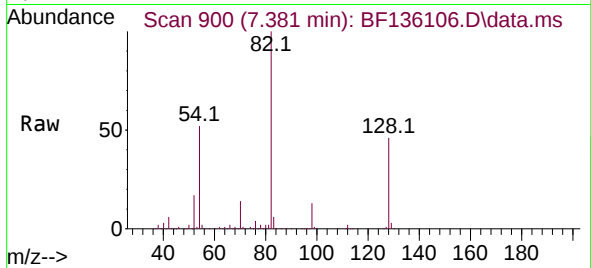




#25
Isophorone
Concen: 36.133 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

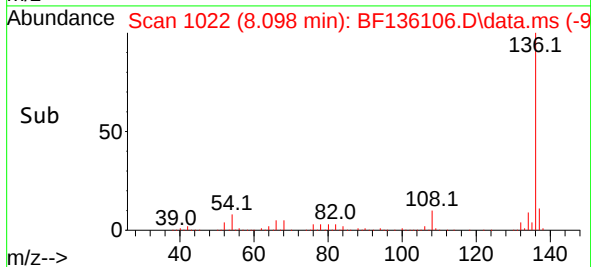
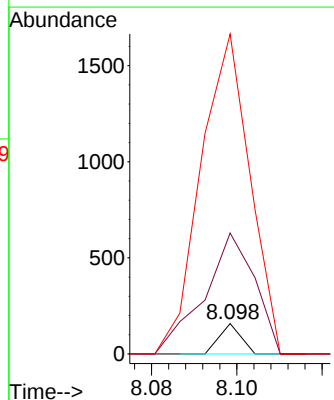
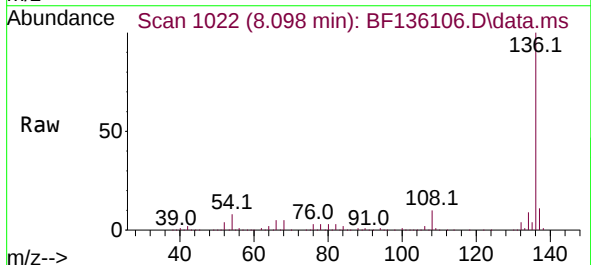
Instrument :
BNA_F
ClientSampleId :
B1

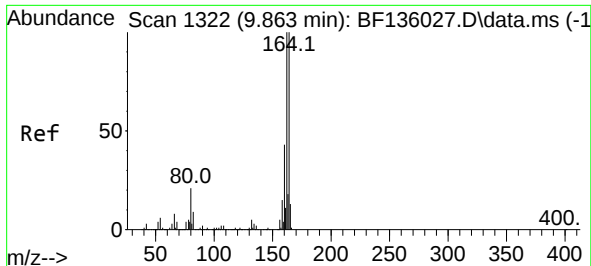
Tgt Ion: 82 Resp: 489067
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.124 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.223 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 398.1 99.5 139.5#
77 1053.8 66.8 106.8#

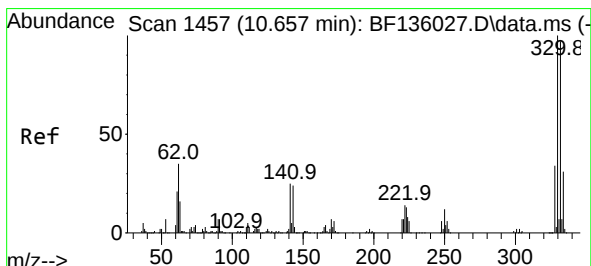
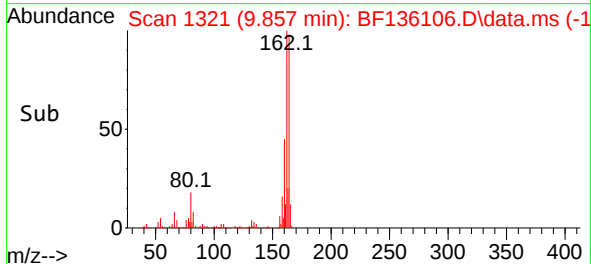
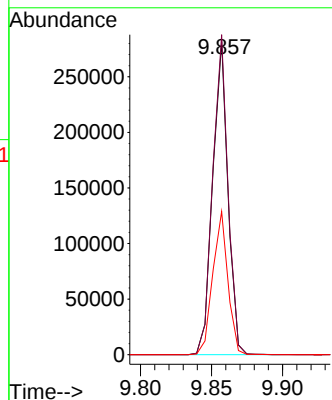
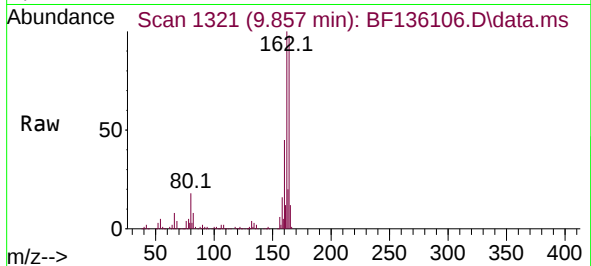




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

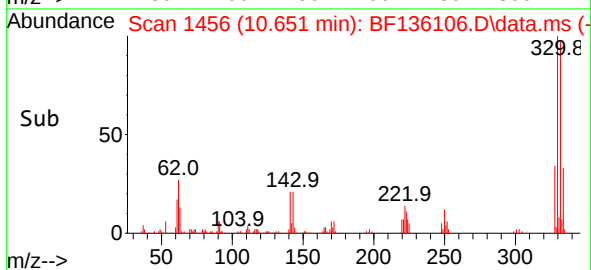
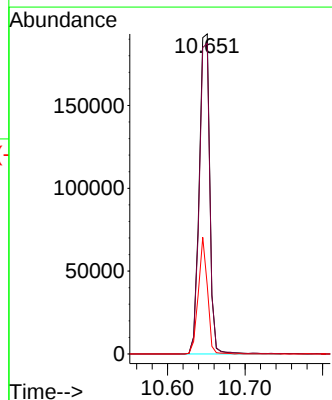
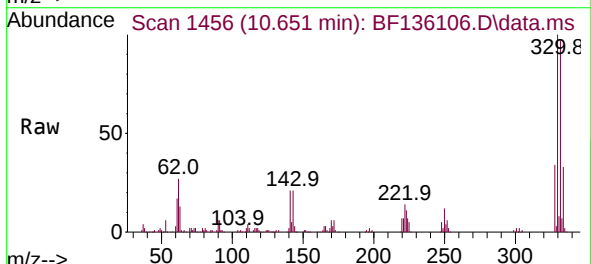
Instrument :
BNA_F
ClientSampleId :
B1

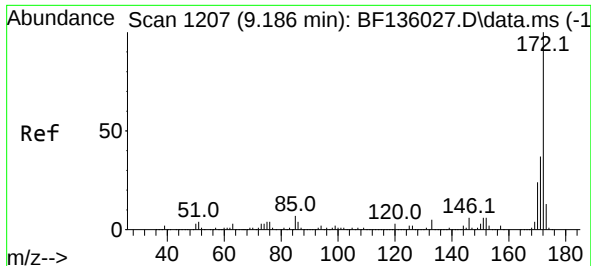
Tgt Ion:164 Resp: 210282
Ion Ratio Lower Upper
164 100
162 102.2 80.1 120.1
160 45.8 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 81.239 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

Tgt Ion:330 Resp: 182341
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 31.3 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 65.817 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

Instrument :

BNA_F

ClientSampleId :

B1

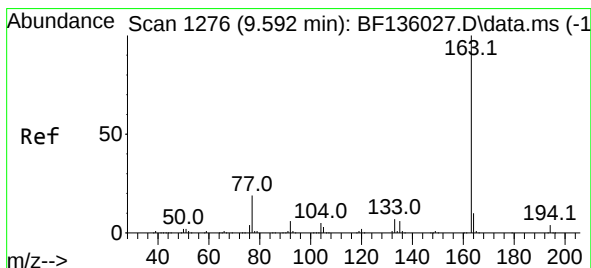
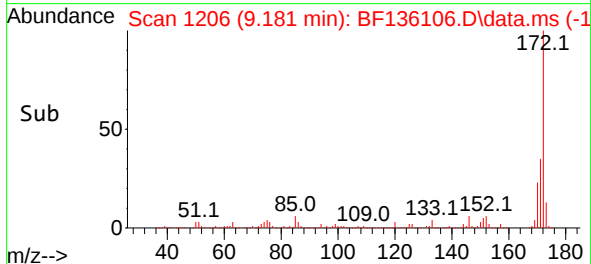
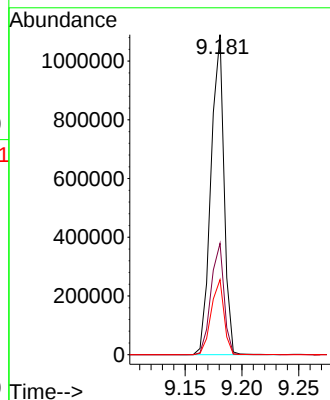
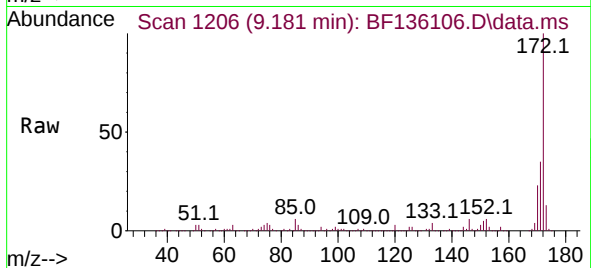
Tgt Ion:172 Resp: 868212

Ion Ratio Lower Upper

172 100

171 34.8 29.4 44.0

170 23.4 19.3 28.9



#50

Dimethylphthalate

Concen: 3.144 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.265 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

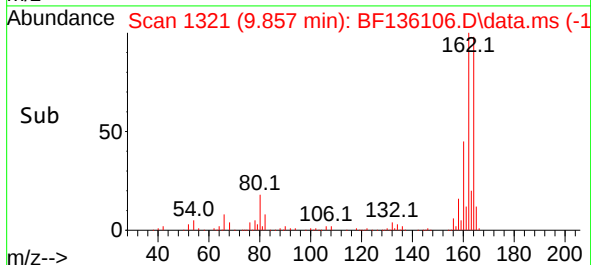
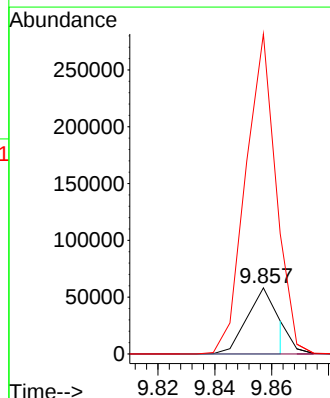
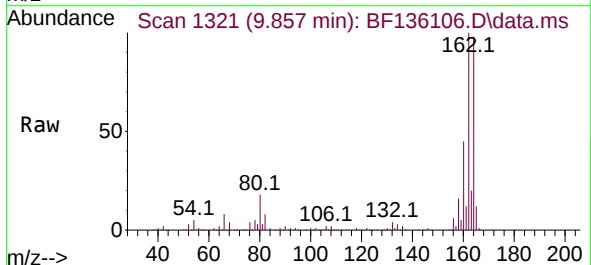
Tgt Ion:163 Resp: 43605

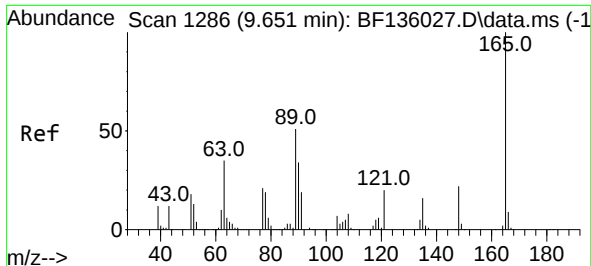
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 484.3 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.966 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

Instrument :

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ClientSampleId :

B1

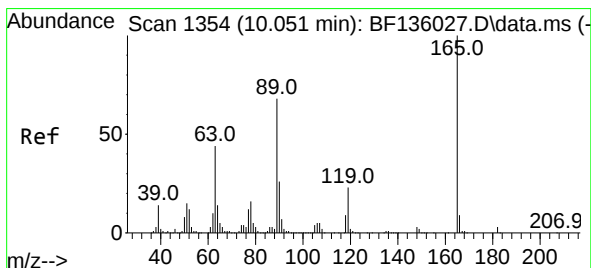
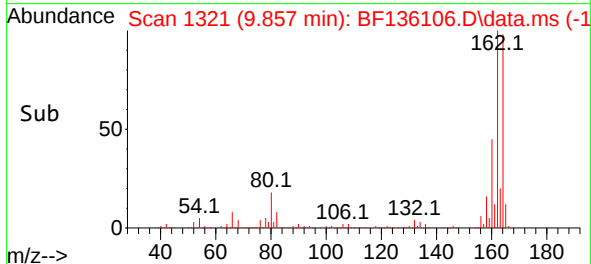
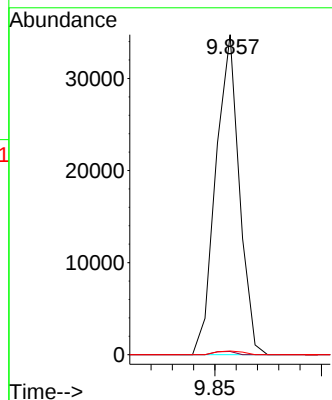
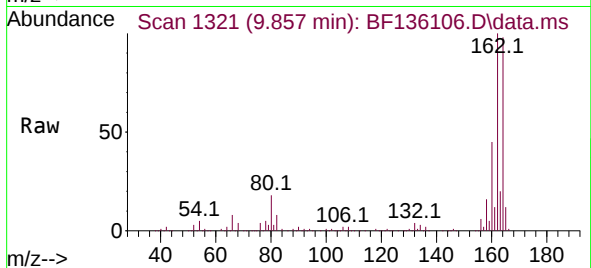
Tgt Ion:165 Resp: 26599

Ion Ratio Lower Upper

165 100

63 1.0 40.8 61.2#

89 1.2 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.087 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

Tgt Ion:165 Resp: 26599

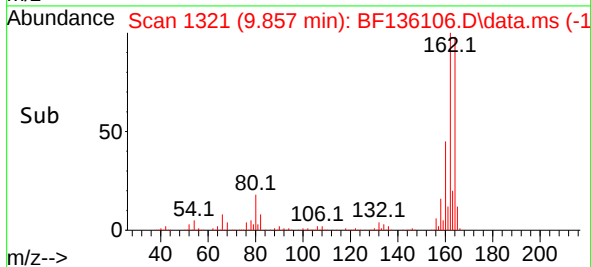
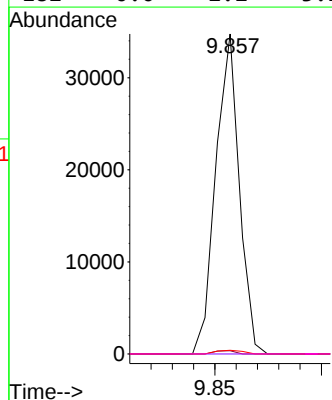
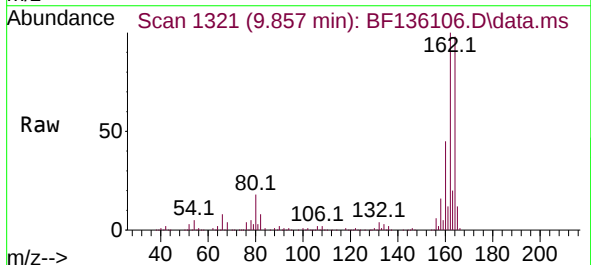
Ion Ratio Lower Upper

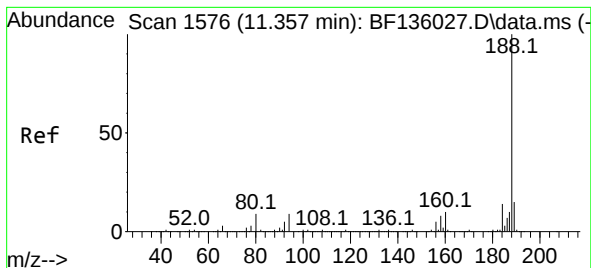
165 100

63 1.0 35.2 52.8#

89 1.2 54.8 82.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

Instrument :

BNA_F

ClientSampleId :

B1

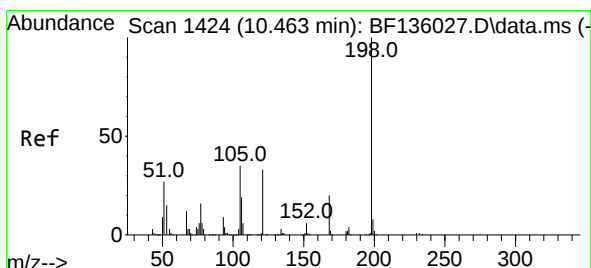
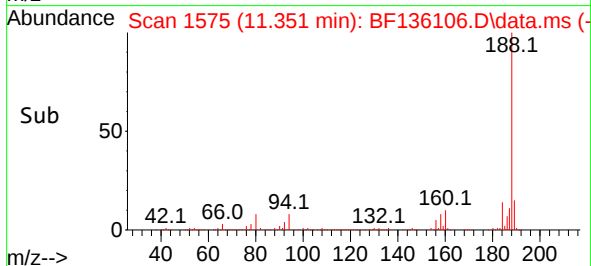
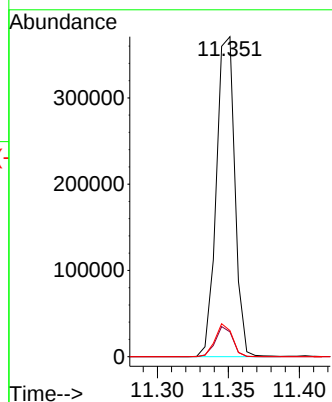
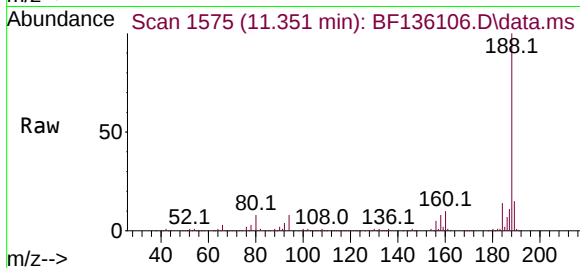
Tgt Ion:188 Resp: 335828

Ion Ratio Lower Upper

188 100

94 7.8 7.2 10.8

80 8.2 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.984 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

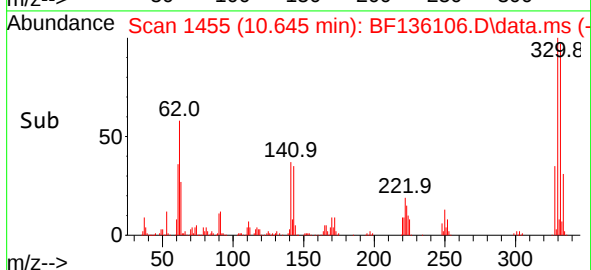
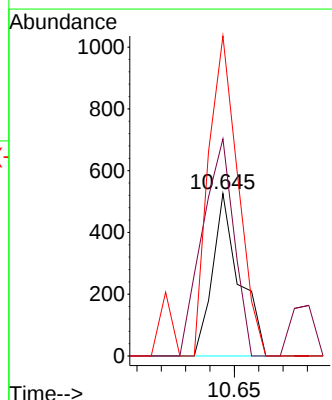
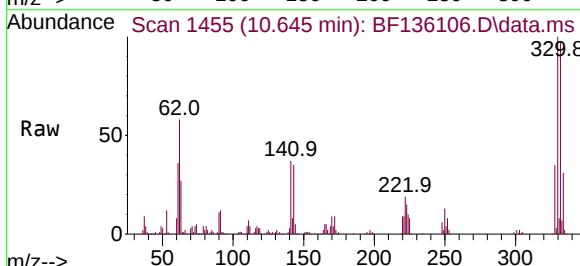
Tgt Ion:198 Resp: 405

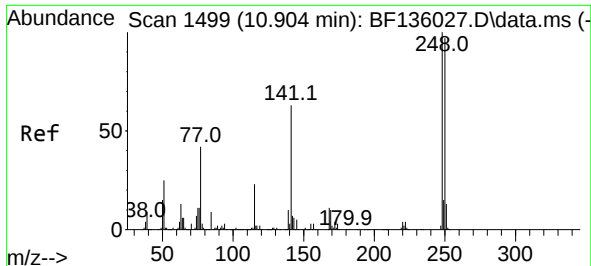
Ion Ratio Lower Upper

198 100

51 133.7 12.9 52.9#

105 197.0 16.0 56.0#

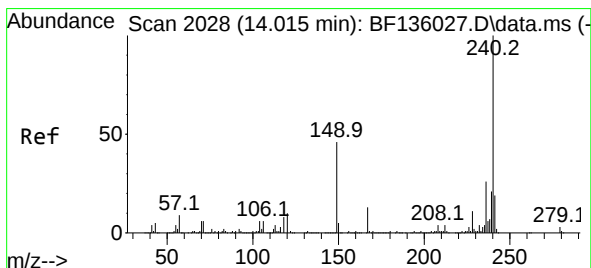
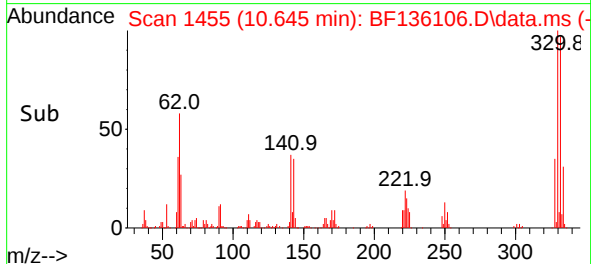
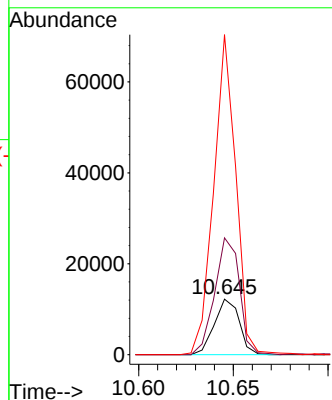
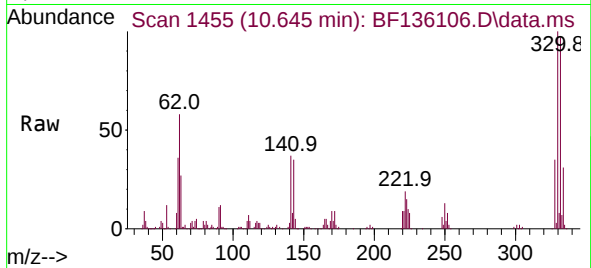




#67
4-Bromophenyl-phenylether
Concen: 3.168 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.259 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

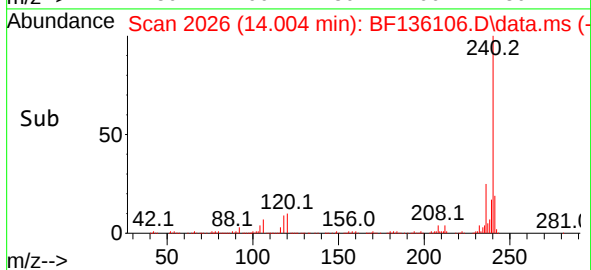
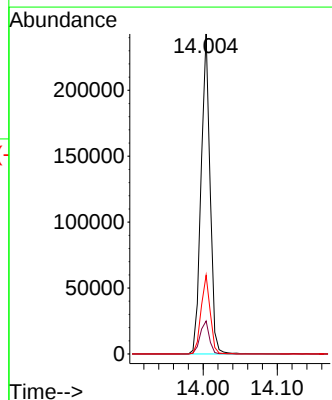
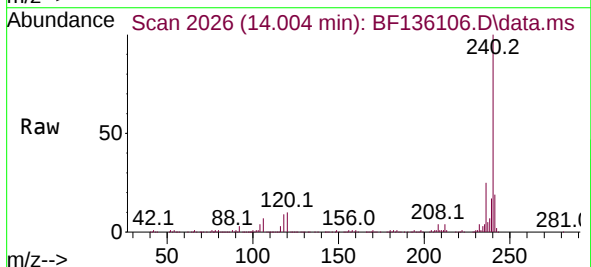
Instrument :
BNA_F
ClientSampleId :
B1

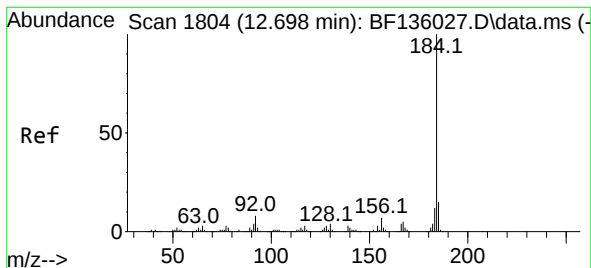
Tgt Ion:248 Resp: 11154
Ion Ratio Lower Upper
248 100
250 210.2 77.6 116.4#
141 575.6 50.4 75.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.011 min
Lab File: BF136106.D
Acq: 02 Nov 2023 20:34

Tgt Ion:240 Resp: 203958
Ion Ratio Lower Upper
240 100
120 10.3 7.6 11.4
236 24.6 20.6 31.0





#77

Benzidine

Concen: 2.245 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

Instrument :

BNA_F

ClientSampleId :

B1

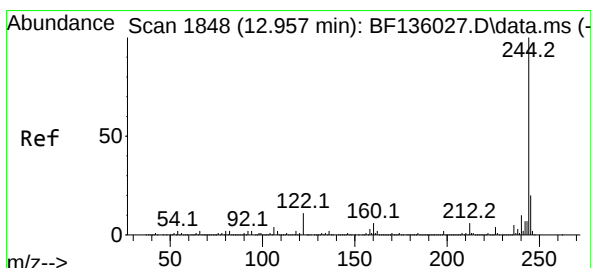
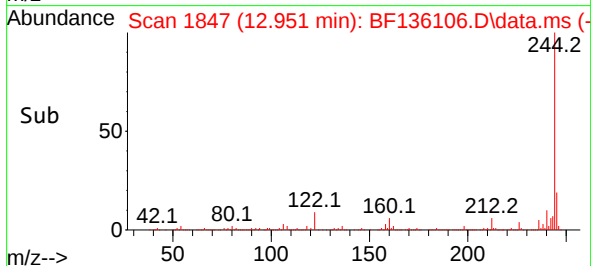
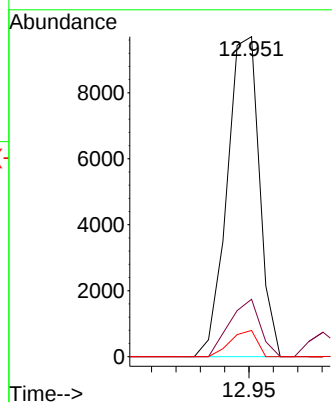
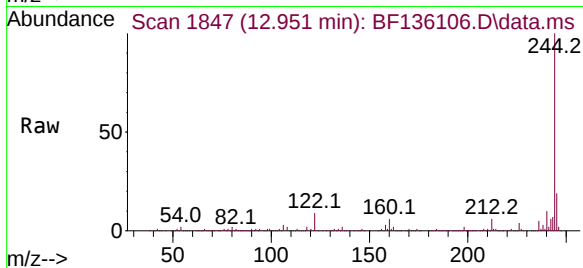
Tgt Ion:184 Resp: 8926

Ion Ratio Lower Upper

184 100

185 18.0 11.8 17.8#

183 8.2 9.5 14.3#



#79

Terphenyl-d14

Concen: 55.978 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF136106.D

Acq: 02 Nov 2023 20:34

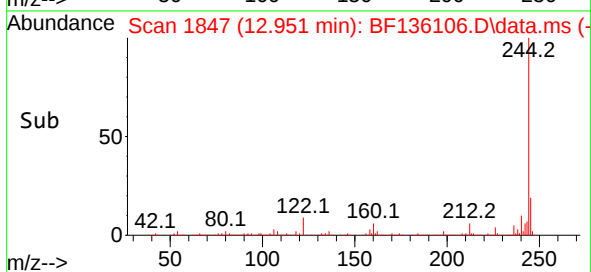
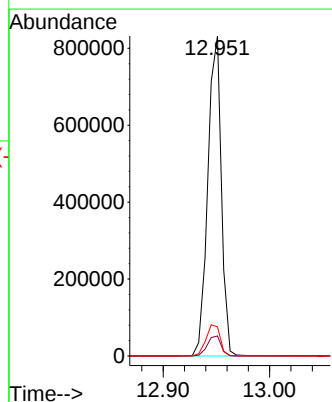
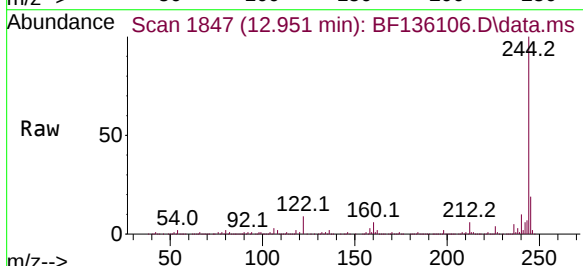
Tgt Ion:244 Resp: 734674

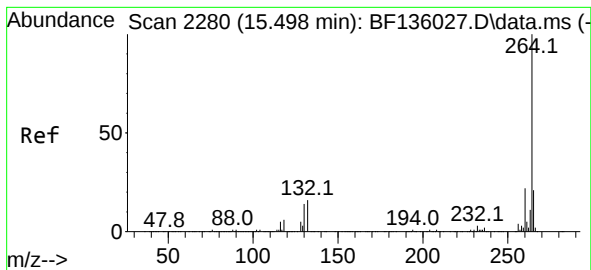
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 9.1 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: BF136106.D

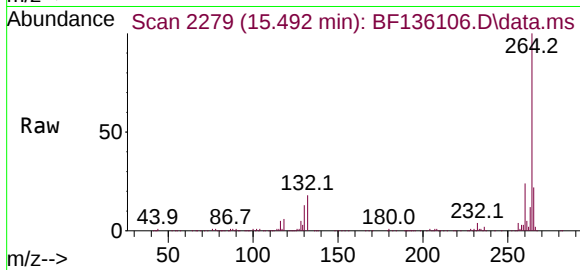
Acq: 02 Nov 2023 20:34

Instrument :

BNA_F

ClientSampleId :

B1



Tgt Ion:264 Resp: 180122

Ion Ratio Lower Upper

264 100

260 24.0 17.9 26.9

265 22.2 16.8 25.2

