

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
 Data File : BF138696.D
 Acq On : 31 Jul 2024 11:31
 Operator : RC/JU
 Sample : PB162317BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB162317BL

Quant Time: Jul 31 12:09:04 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)

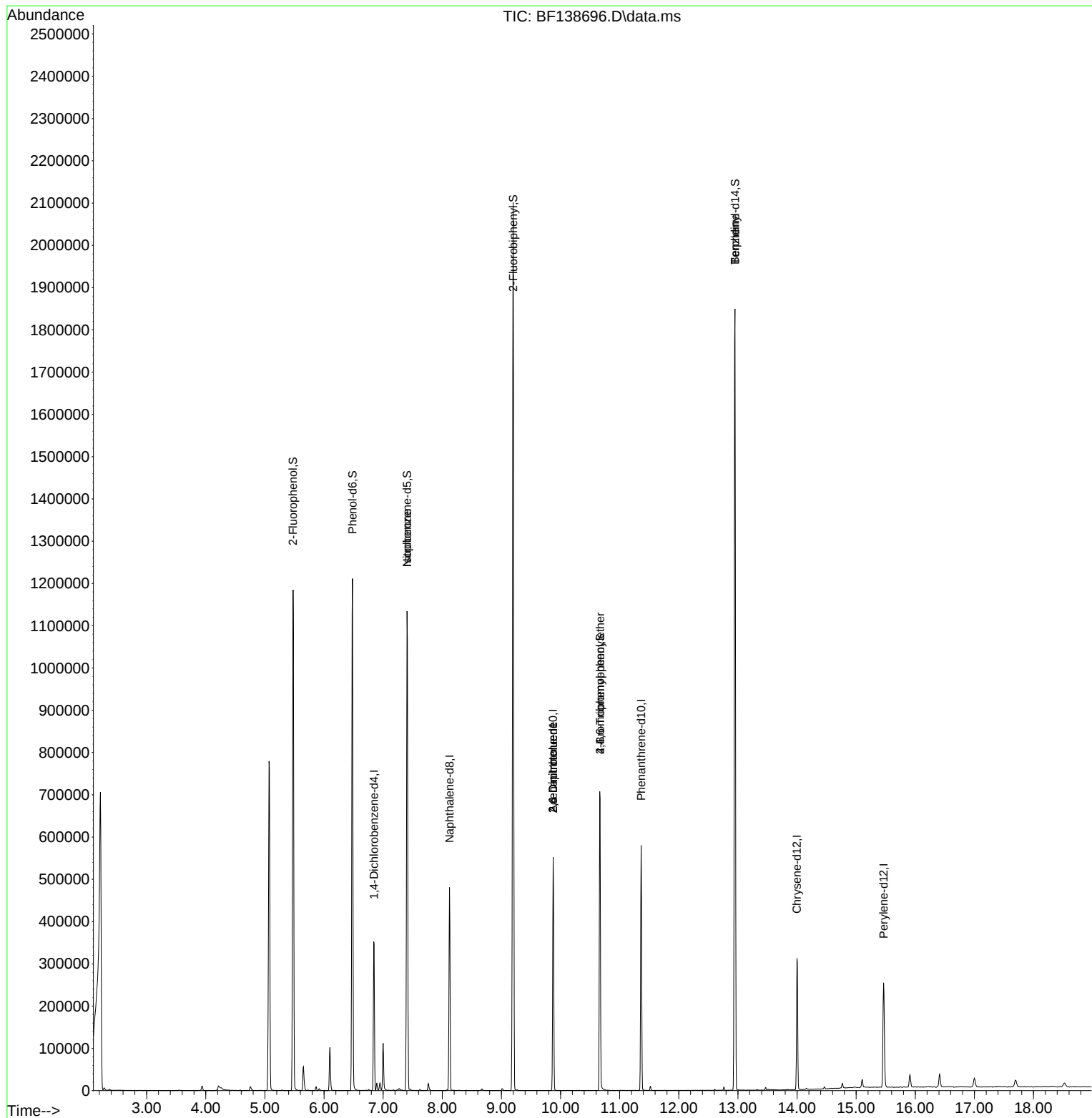
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	71330	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	291125	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	155118	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	288218	20.000	ng	0.00
76) Chrysene-d12	13.998	240	145773	20.000	ng	0.00
86) Perylene-d12	15.463	264	132748	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	398642	86.270	ng	0.00
7) Phenol-d6	6.481	99	541697	87.314	ng	0.00
23) Nitrobenzene-d5	7.404	82	526092	88.352	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	107224	84.387	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	926774	89.769	ng	0.00
79) Terphenyl-d14	12.951	244	911323	104.670	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.404	82	524105	51.546	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	20395	9.111	ng	# 21
57) 2,4-Dinitrotoluene	9.875	165	20395	7.141	ng	# 17
67) 4-Bromophenyl-phenylether	10.669	248	7599	2.435	ng	# 1
77) Benzidine	12.951	184	12251	3.514	ng	# 89

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

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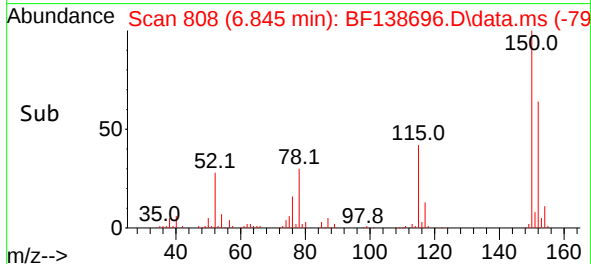
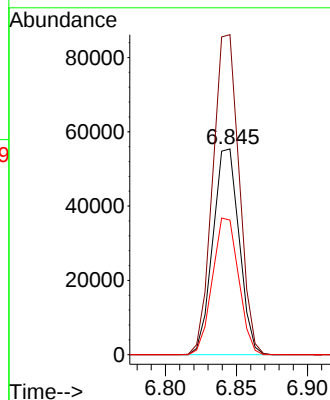
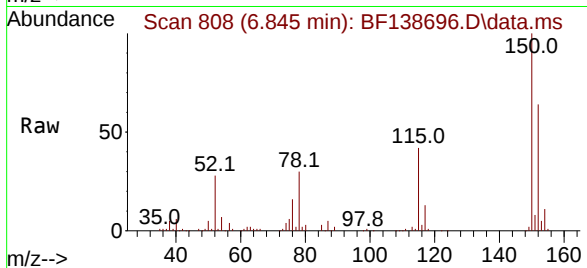




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

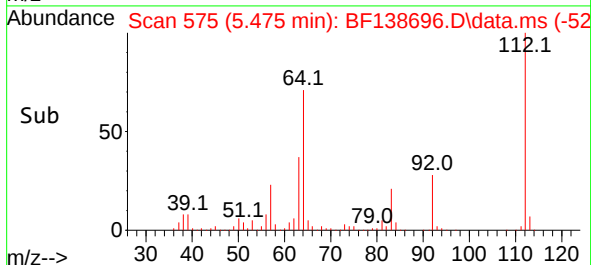
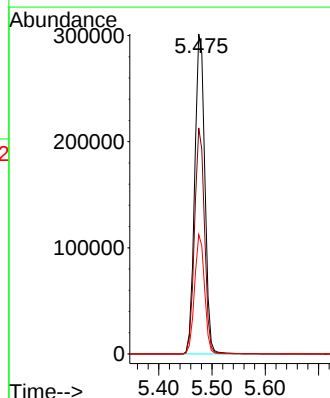
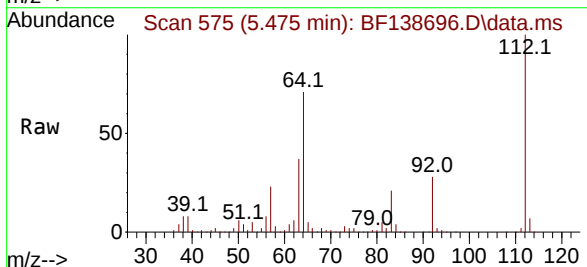
Instrument :
BNA_F
ClientSampleId :
PB162317BL

Tgt Ion:152 Resp: 71330
Ion Ratio Lower Upper
152 100
150 155.5 126.0 189.0
115 65.4 51.7 77.5



#5
2-Fluorophenol
Concen: 86.270 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

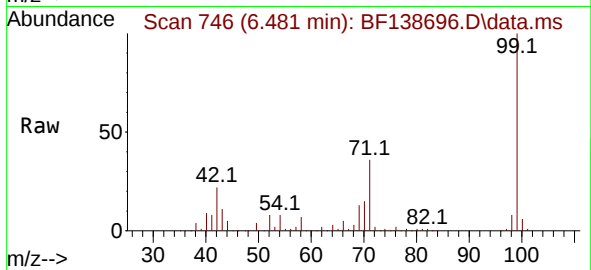
Tgt Ion:112 Resp: 398642
Ion Ratio Lower Upper
112 100
64 70.6 54.2 81.4
63 37.3 28.7 43.1



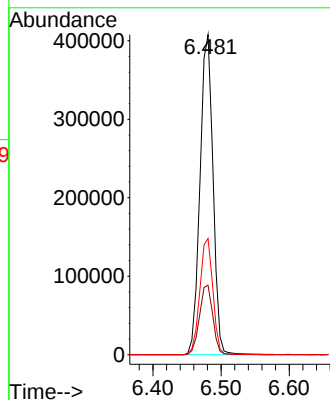
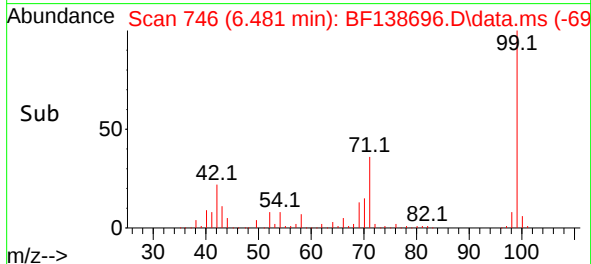


#7
Phenol-d6
Concen: 87.314 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

Instrument :
BNA_F
ClientSampleId :
PB162317BL

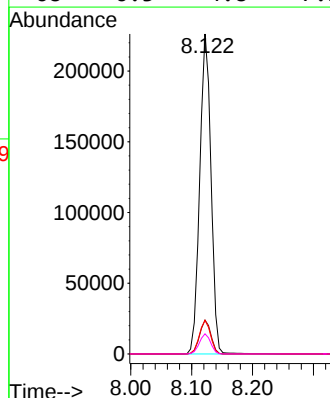
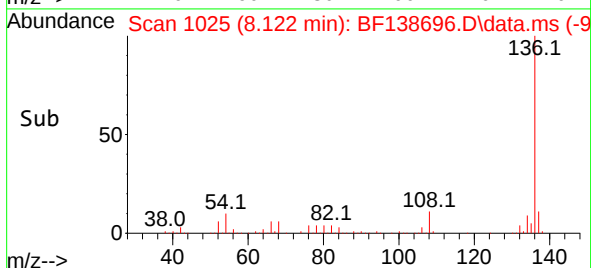
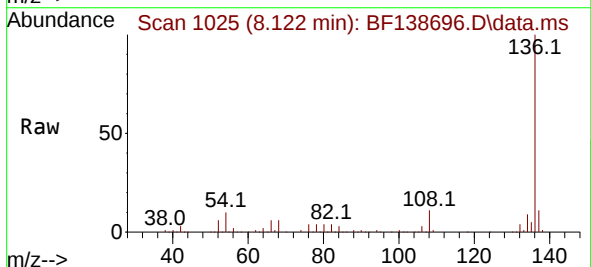


Tgt Ion: 99 Resp: 541697
Ion Ratio Lower Upper
99 100
42 21.7 17.4 26.0
71 36.3 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

Tgt Ion: 136 Resp: 291125
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 10.5 8.6 12.8
68 6.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 88.352 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138696.D

Acq: 31 Jul 2024 11:31

Instrument :

BNA_F

ClientSampleId :

PB162317BL

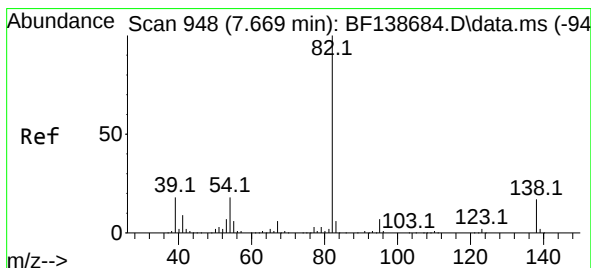
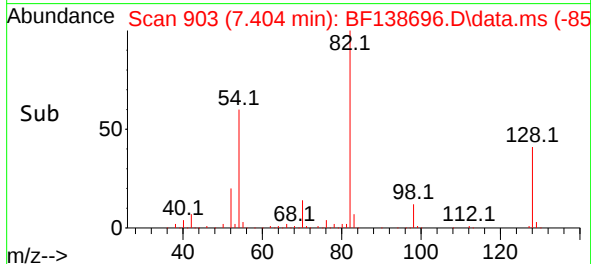
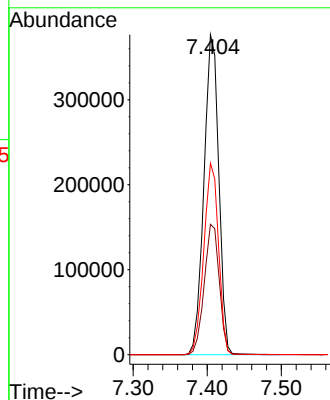
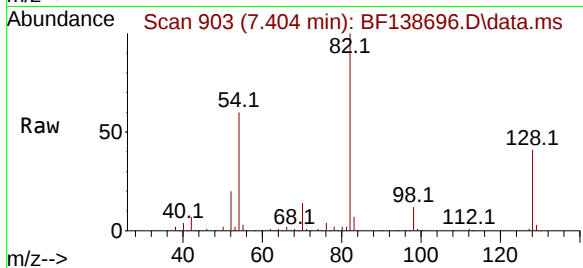
Tgt Ion: 82 Resp: 526092

Ion Ratio Lower Upper

82 100

128 40.7 32.8 49.2

54 59.9 48.3 72.5



#25

Isophorone

Concen: 51.546 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF138696.D

Acq: 31 Jul 2024 11:31

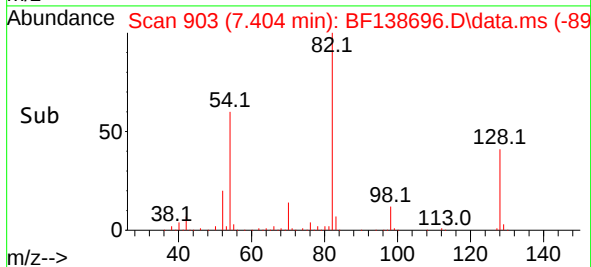
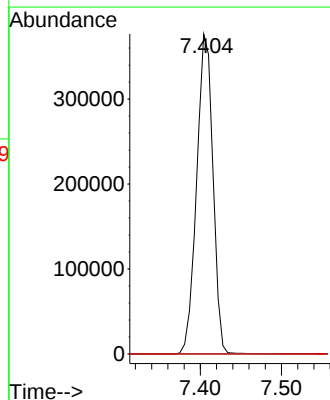
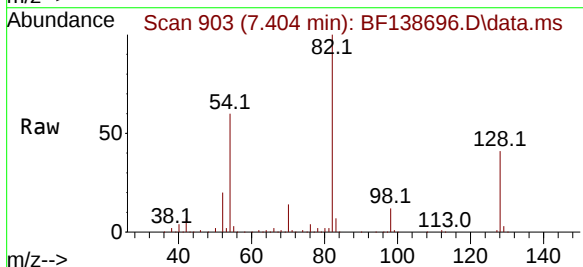
Tgt Ion: 82 Resp: 524105

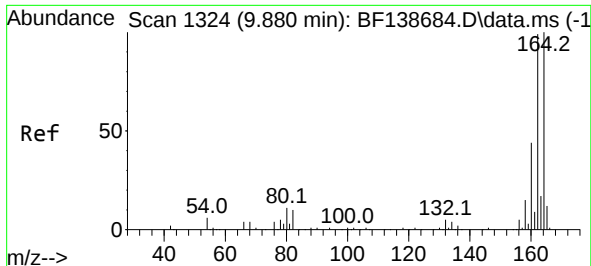
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.7 20.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF138696.D

Acq: 31 Jul 2024 11:31

Instrument :

BNA_F

ClientSampleId :

PB162317BL

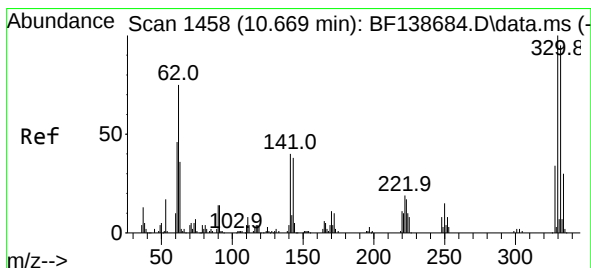
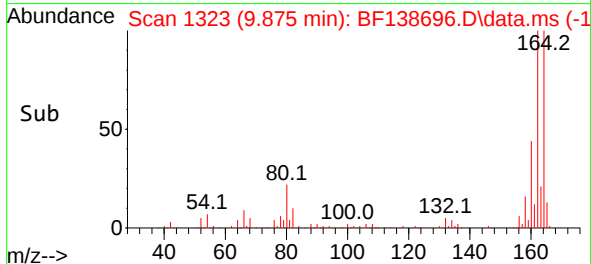
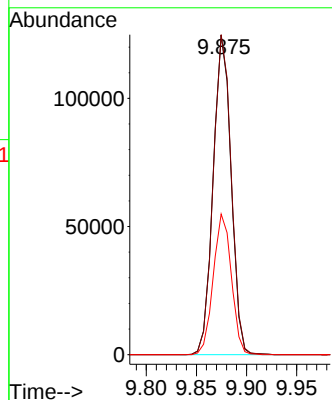
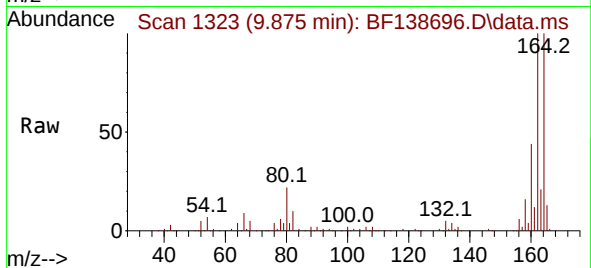
Tgt Ion:164 Resp: 155118

Ion Ratio Lower Upper

164 100

162 100.1 79.4 119.0

160 44.0 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 84.387 ng

RT: 10.669 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF138696.D

Acq: 31 Jul 2024 11:31

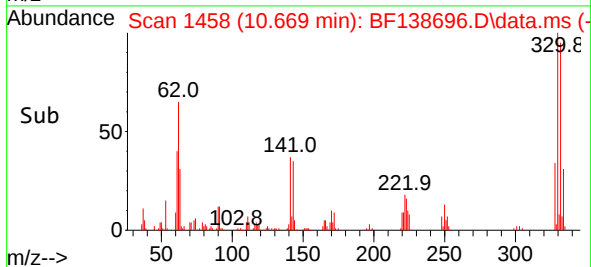
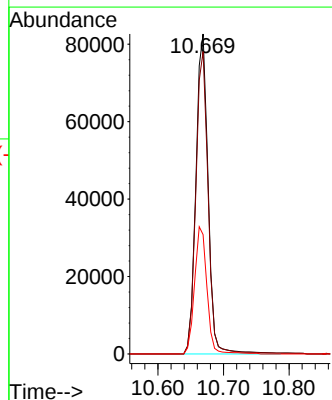
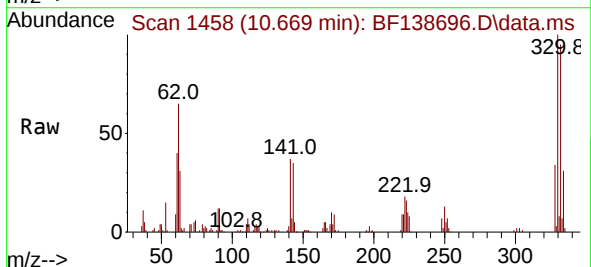
Tgt Ion:330 Resp: 107224

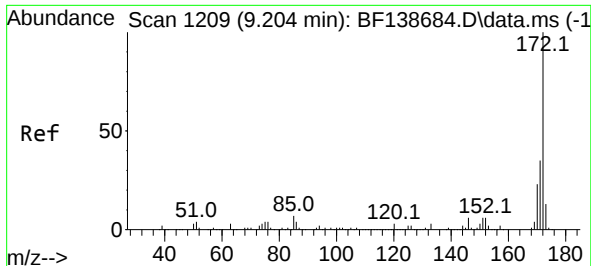
Ion Ratio Lower Upper

330 100

332 95.6 76.4 114.6

141 40.3 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 89.769 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138696.D

Acq: 31 Jul 2024 11:31

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ClientSampleId :

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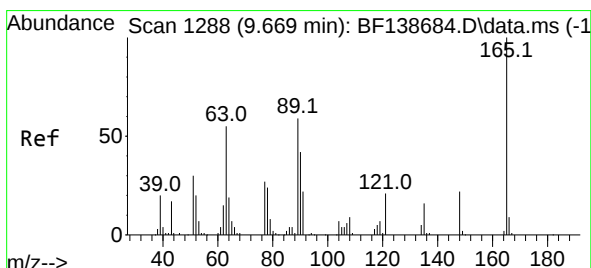
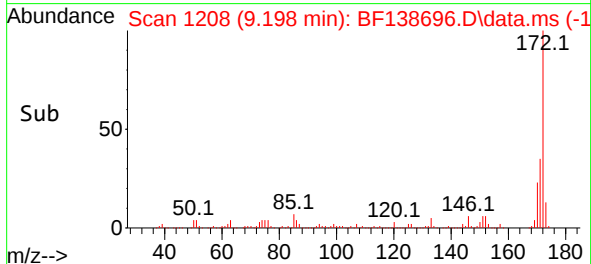
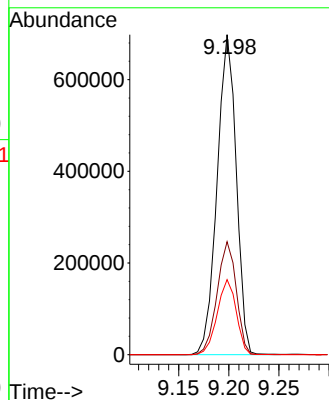
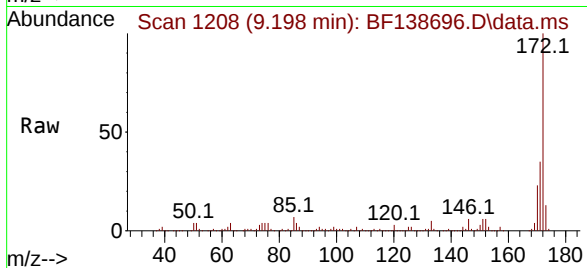
Tgt Ion:172 Resp: 926774

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.111 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.206 min

Lab File: BF138696.D

Acq: 31 Jul 2024 11:31

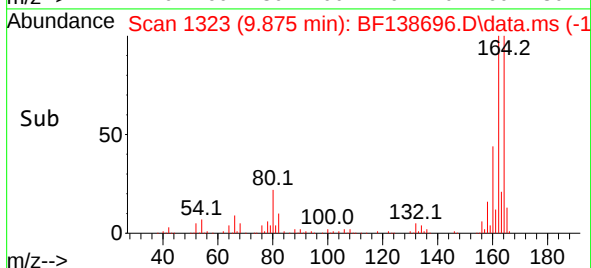
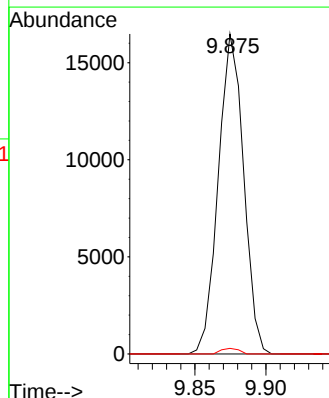
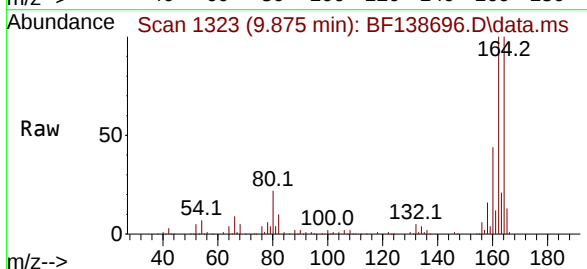
Tgt Ion:165 Resp: 20395

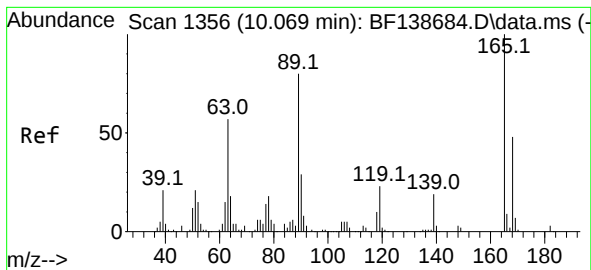
Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 1.8 47.0 70.6#

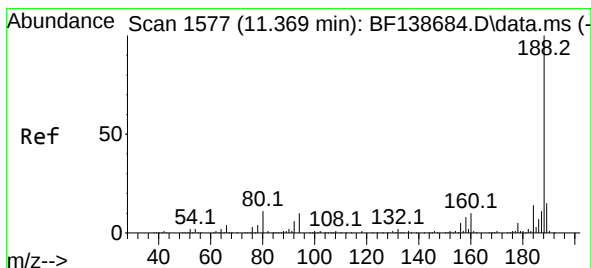
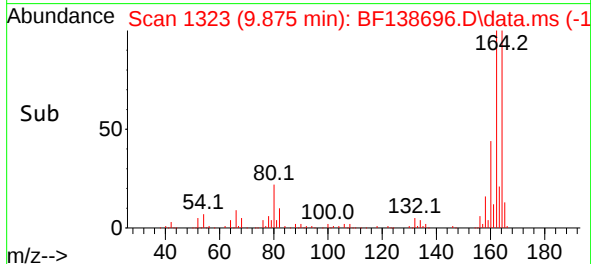
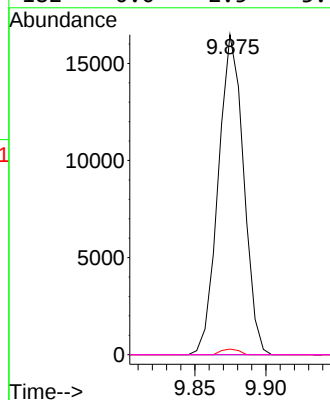
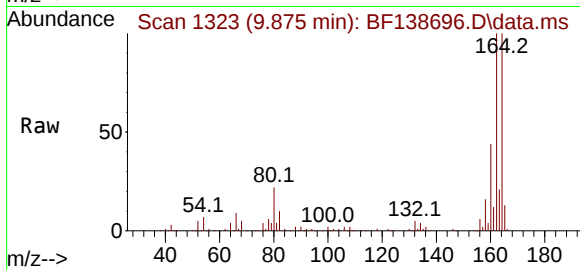




#57
2,4-Dinitrotoluene
Concen: 7.141 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

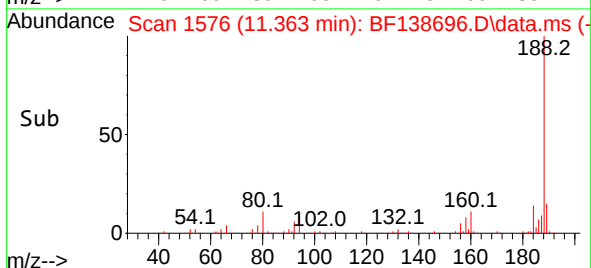
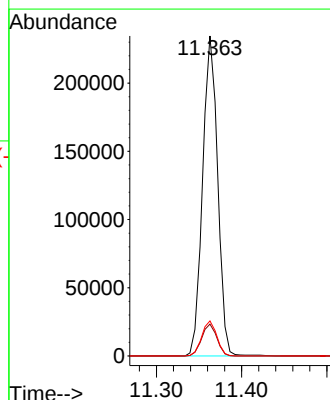
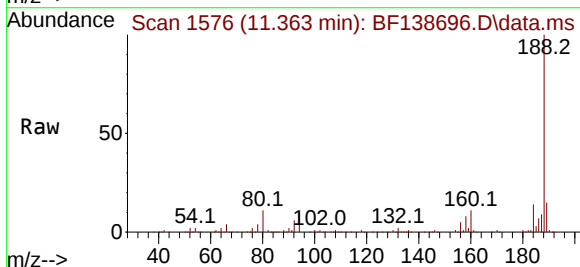
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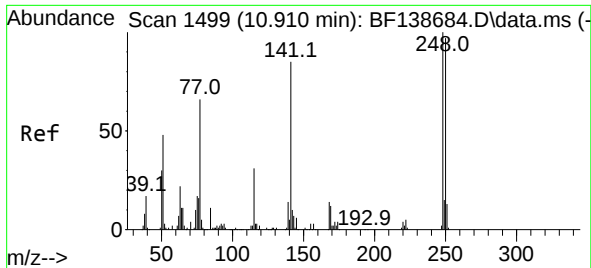
Tgt Ion:165 Resp: 20395
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 1.8 64.2 96.4#
182 0.0 2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

Tgt Ion:188 Resp: 288218
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 10.9 8.6 12.8

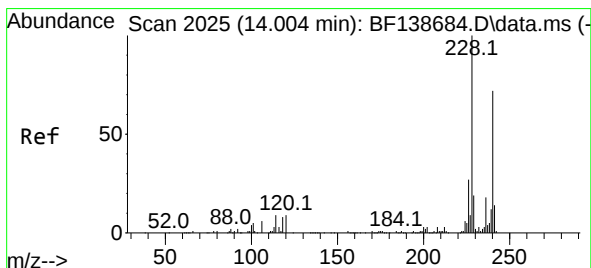
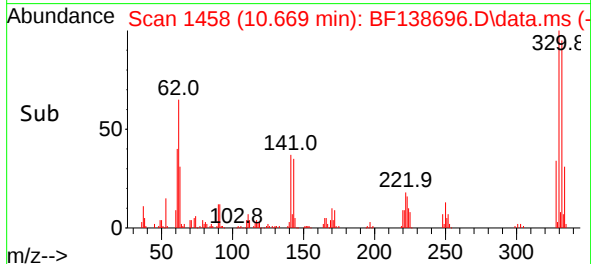
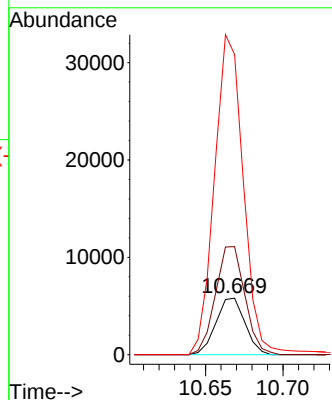
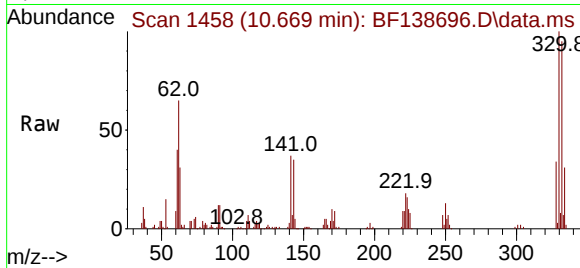




#67
4-Bromophenyl-phenylether
Concen: 2.435 ng
RT: 10.669 min Scan# 1499
Delta R.T. -0.241 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

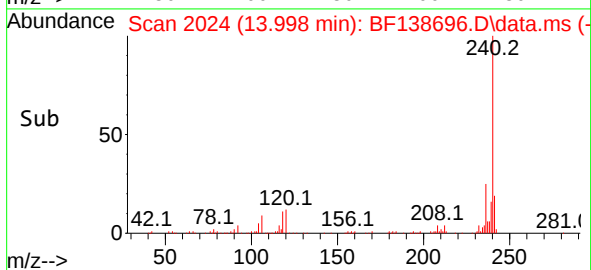
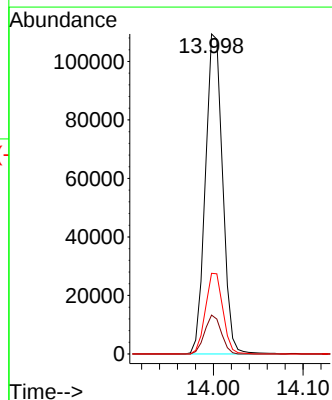
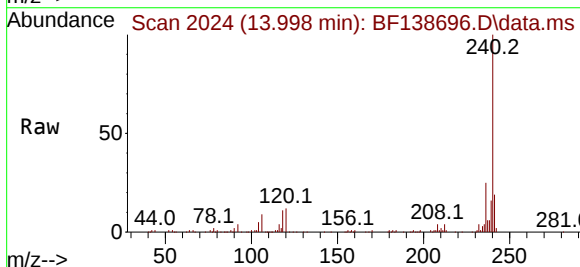
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BNA_F
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PB162317BL

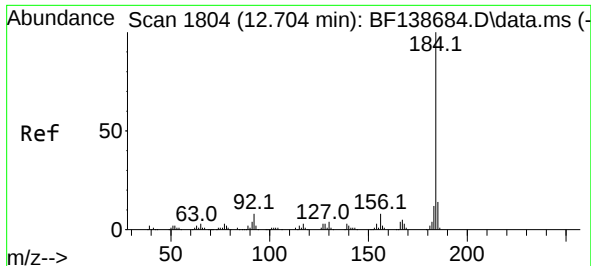
Tgt Ion:248 Resp: 7599
Ion Ratio Lower Upper
248 100
250 191.3 77.7 116.5#
141 531.5 68.0 102.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

Tgt Ion:240 Resp: 145773
Ion Ratio Lower Upper
240 100
120 12.2 10.2 15.4
236 25.2 19.8 29.8

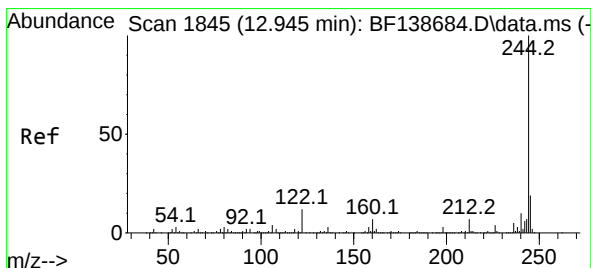
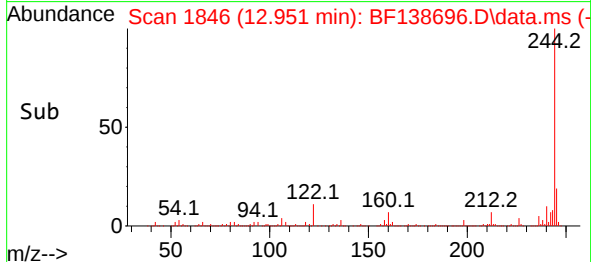
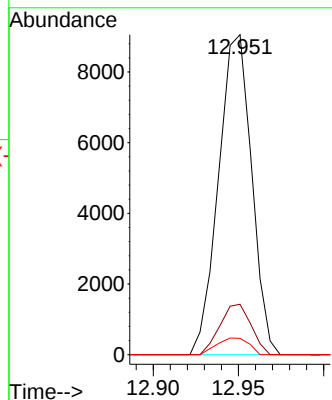
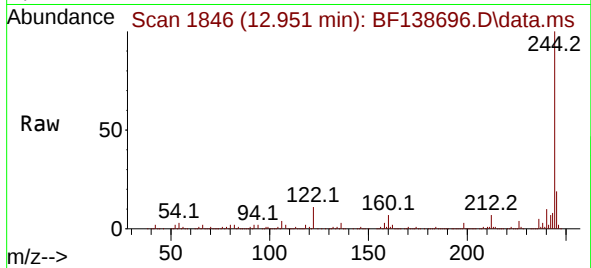




#77
Benzidine
Concen: 3.514 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.247 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

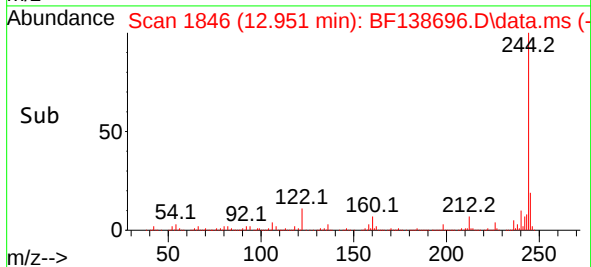
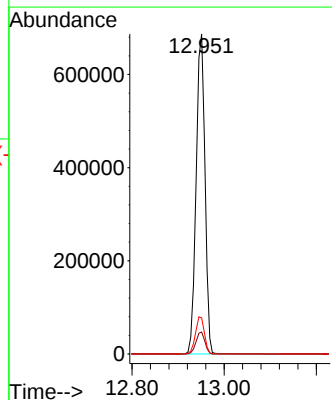
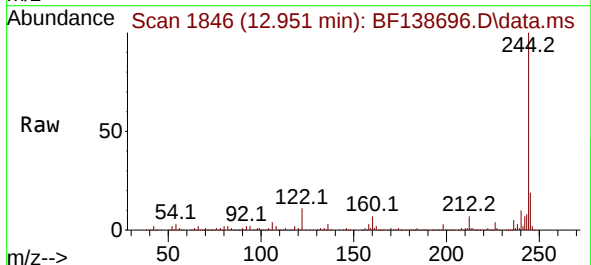
Instrument :
BNA_F
ClientSampleId :
PB162317BL

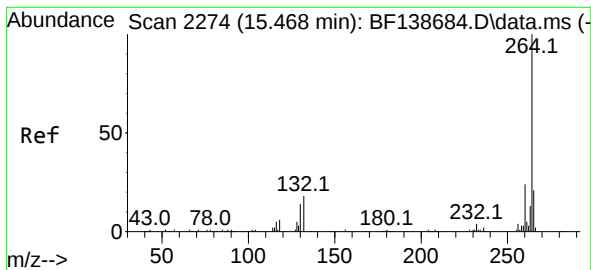
Tgt Ion:184 Resp: 12251
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 5.1 9.6 14.4#



#79
Terphenyl-d14
Concen: 104.670 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138696.D
Acq: 31 Jul 2024 11:31

Tgt Ion:244 Resp: 911323
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.3 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: BF138696.D

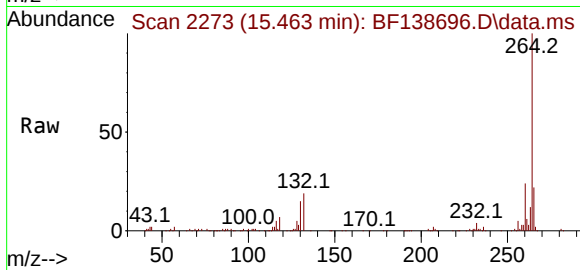
Acq: 31 Jul 2024 11:31

Instrument :

BNA_F

ClientSampleId :

PB162317BL



Tgt Ion:264 Resp: 132748

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 21.9 17.0 25.6

